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JUN 18 1918

NUMBER 4

Ripon College

BULLETIN



CATALOGUE NUMBER

January, 1918

For Pre-Professional Courses
See Pages 69-75

Published four times a year at Ripon College Administration Building by the Board of Trustees, and entered at the Postoffice at Ripon, Wisconsin, May 16, 1908, as second-class mail matter, under act of July 16, 1904.

ANNUAL CATALOGUE
OF
RIPON COLLEGE

Prospective Students for Ripon College, Ripon, Wis.

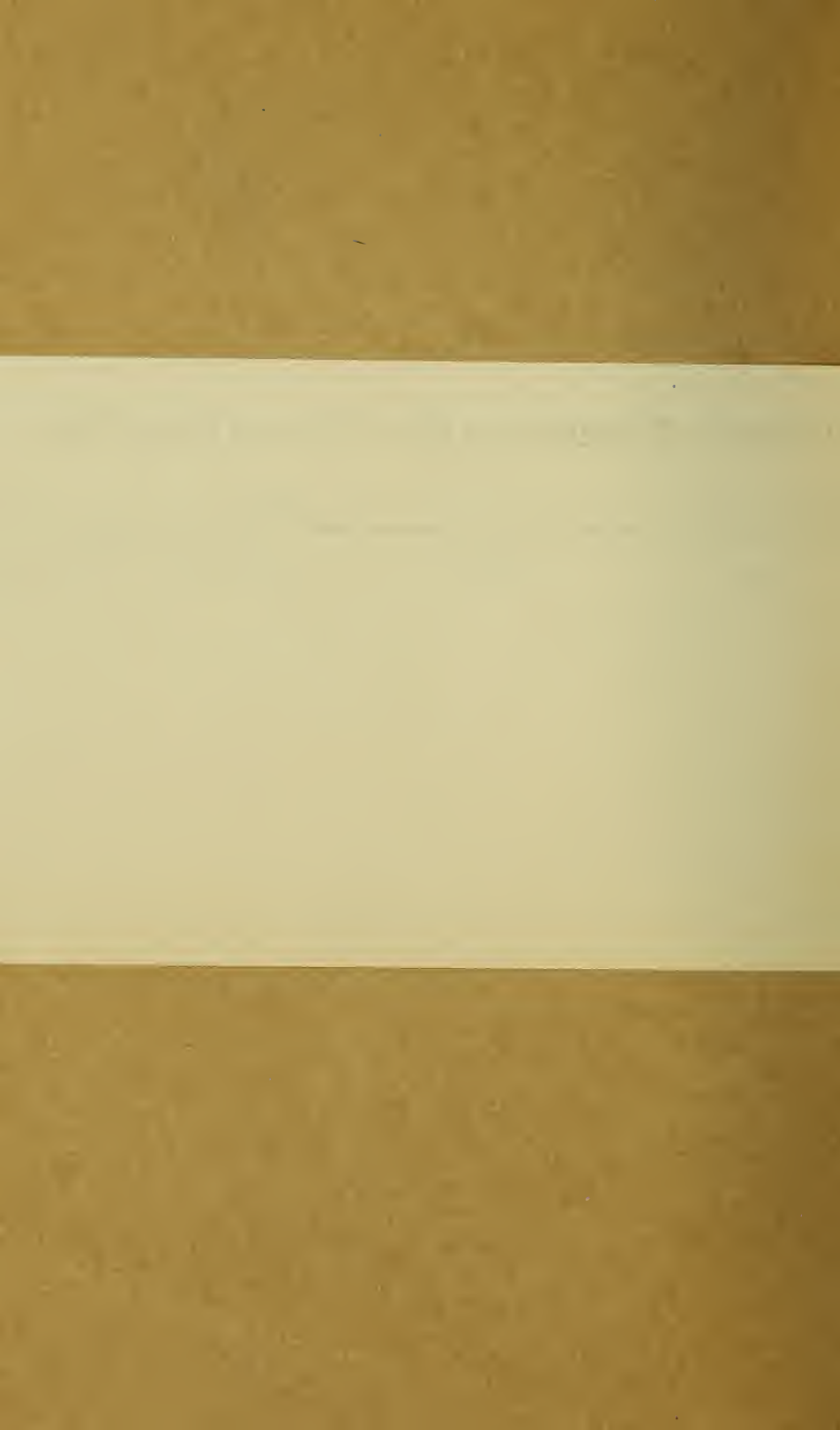
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Particularly interested in
(a) Preprofessional Course (b) Student Activities

RIPON, WISCONSIN
PUBLISHED JANUARY, 1918



ANNUAL CATALOGUE
OF
RIPON COLLEGE

FOR THE ACADEMIC YEAR
1917-1918

THE OBJECT OF THIS BULLETIN IS TO
PRESENT AS ACCURATELY AS POSSIBLE
THE GRADE OF WORK THE COLLEGE
UNDERTAKES TO DO, AND THE CONDI-
TIONS AND REQUIREMENTS UNDER
WHICH IT IS ACCOMPLISHED. IT IS
ISSUED AS NUMBER 4, SERIES III, OF
THE RIPON COLLEGE BULLETIN

RIPON, WISCONSIN
PUBLISHED JANUARY, 1918

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Correspondence

While general correspondence may be directed to the President or the Dean, that relating to studies, classes, textbooks, etc., may be addressed to any of the instructors.

Correspondence relating to the following specific items should be directed as indicated, the address in each case being Ripon College, Ripon, Wisconsin.

1. Requests for catalogues and other publications of the College,
The President or the Dean.
2. Information regarding admission, accrediting of schools, and certificates of admission,
The President or the Dean.
3. Questions concerning students' ranks and standing in College,
The Registrar.
4. Information regarding instruction in music,
The Director of the School of Music.
5. Questions from parents regarding the general welfare of students,
The President.
6. Scholarships and student loans,
The Dean.
7. Fellowships and graduate study,
The Dean.
8. Endowment and gifts to the College,
The President.
9. Accommodations in the dormitories,
The Dean.
10. Information in regard to graduates for positions as teachers,
Dr. W. J. Mutch, Chairman of the Board on Recommendations.

All checks for deposit fees and other payments should be made payable to the Treasurer of Ripon College.

CIVIL CALENDAR

1917

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College Calendar

1918

January 3, Thursday, 8:00 a. m.	Christmas Vacation Ends.
January 16, 17, 18, Wednesday Thursday and Friday	Registration for the Second Semester.
February 1, Friday	First Semester Ends.
February 4, Monday	Second Semester Begins.
February 22, Friday	Washington's Birthday, a Holiday.
March 28, Thursday, 3:00 p. m.	Easter Recess Begins.
April 1, Monday, noon	Easter Recess Ends.
May 26, Sunday	Baccalaureate Sermon.
May 27, Monday	Annual Meeting of the Board of Trustees.
May 28, Tuesday	Annual Meeting of the Alumni.
May 29, Wednesday	Fifty-second Annual Com- mencement.
September 23-24, Monday and Tuesday	Registration for the First Semester.
September 25, Wednesday	Lectures and Recitations Begin.
November 28, Thursday	Thanksgiving Holiday.
December 21, Friday, 3:00 p. m.	Christmas Vacation Begins.

1919

January 7, Tuesday, 8:00 p. m.	Christmas Vacation Ends.
January 22, 23, 24, Wednesday, Thursday and Friday	Registration for the Second Semester.
February 3-7, Monday, Tuesday, Wednesday, Thursday and Friday	Examinations of the First Semester.
February 7, Friday	First Semester Ends.
February 10, Monday	Second Semester Begins.
April 16, Wednesday, 3:00 p. m.	Easter Recess Begins.
April 22, Tuesday, 8:00 a. m.	Easter Recess Ends.
June 8-11	Commencement Week.

Ripon College

The first building in what is now the City of Ripon was erected in the summer of 1849. Two years later the citizens made an effort to found a literary institution of a high order. For this purpose Captain David P. Mapes, who believed that no model town is complete without a college, donated a square acre on the highest point of College Hill and the building of the institution out of which Ripon College grew was begun. Subscriptions to the amount of eight hundred dollars were secured, which were payable in goods, lumber, labor, lime, or any commodity then current. There was little money but much hearty goodwill, the spirit of which was shown when the leader of the enterprise, seeing that the need was pressing, gave his gold watch to advance the work.

During the summer, however, the enterprise was delayed for want of funds, but was taken up again when Mr. William S. Brockway subscribed about three hundred dollars, the amount necessary to put a roof over the walls already erected. In recognition of this gift, which at the time was regarded as munificent, the college was named Brockway College. It bore that name until 1864, when, by act of the legislature, the name Ripon College was substituted.

Looking about for some religious denomination to take up the work of the college, the trustees proposed in 1857 that the Winnebago District Convention of Presbyterian and Congregational Churches assume one-half the debt and complete the college building. The Board offered to convey the entire property to the Convention when they should meet the conditions. But the churches could assume no additional burden at that time. So they appealed to Reverend J. W. Walcott, a member of the Convention, to assume the work of the new college and hold it for the Convention until the churches should be able to take it off his hands. After various negotiations the arrangements were made, Mr. Walcott purchasing from the trustees the entire property.

From the time of its opening until 1855, the institution was under the management of Reverend J. W. Walcott. On February 21, 1857, Mr. Walcott deeded the property back to the Board of Trustees, they securing him for the claim of six thousand nine hundred and seventy-seven dollars by a mortgage on the entire realty. The deed recognized the right of the Winnebago Convention to nominate candidates to fill

vacancies in the board. The campus conveyed in this exchange embraced about nine acres. It has been increased considerably since then. The dormitory building, completed in 1855, was not ready for occupancy until the latter part of the autumn of 1858. The years from 1858 to 1862 witnessed serious struggles in the life of the young college. For a time during this period the buildings and grounds were used for the purposes of the war, and many of its faculty and students saw actual service in the Union armies.

On April 23, 1863, the Reverend William E. Merriman, a graduate of Williams College, and of Union Theological Seminary, a popular preacher and an accomplished scholar, then pastor of the Presbyterian Church at Green Bay, was elected to the presidency of the college. The appointment of Mr. Merriman marked an epoch in the history of the institution. In this year the first college classes were formed. The obstacles which confronted him were extraordinary, but he exhibited at once a power to overcome them, no less extraordinary. His Christian consecration and his enthusiasm were complete, not permitting him to miss any opportunity to do effective work for the college, or for intellectual and spiritual uplift among students and people. Although the institution had at this time no endowment, and only one professor besides the President, it soon took a place of moral and intellectual leadership. Under the direction of the new President, the College grew rapidly and substantially, the number of students more than doubled, new buildings were added, and the College was admitted to membership in the Society for the Promotion of Collegiate and Theological Education in the West. This last accomplishment was of far-reaching consequence, freeing the institution from obligations to the Winnebago Convention, and placing it on a much firmer financial basis. In addition to this a large sum was added to the endowment; but, above all, the College, through this action, became recognized in the fraternity of colleges. In 1874, Dr. Merriman was given a leave of absence on account of ill health, and his active work as head of the College practically ended with that year. In this administration, remarkable in every sense, much was accomplished for the College in a material way, but more important than this was the fact that under the guidance of this strong and simple man, the true spirit of the institution was established.

The administration of Edward Huntington Merrell began in 1876, and continued until 1891. During his administration

the general policy of the College as to intellectual and moral aims and spirit, as well as that relating to economy, was maintained. Four new buildings were added; large additions were made to the library; chemical and biological laboratories were established; East College was rebuilt; grounds for athletic sports were purchased; and the endowment funds were about trebled.

In 1892 Reverend Rufus Cushman Flagg, D.D., was elected President. Mr. Flagg was a graduate of Middlebury College and of Andover Theological Seminary. A man of scholarly attainments, breadth of judgment, and solicitous temper, he was received with great heartiness by all members of the faculty and by the students and friends of the College.

President Flagg was succeeded in 1901 by the Reverend Richard Cecil Hughes, D.D. During his administration a complete renovation of the College buildings was made. The dormitories were entirely transformed and modernized. Smith Hall, as the result of a gift from Mr. Elisha D. Smith of Menasha, was remodeled, and, by means of gifts from alumni, the College Commons in West Hall was finished. Dr. Hughes inaugurated a new day for the College. Through his influence Ripon College credits became recognized by the University of Wisconsin. He was the first of the Wisconsin college presidents to obtain such concessions.

In September, 1910, Silas Evans, D.D., LL.D., a graduate of Ripon College in the class of 1898, was elected to the presidency. He resigned on August 1, 1917 to become president of Occidental College, Los Angeles, California.

Since the beginning of work in 1863 the College has exhibited a well-defined character. As in the best American colleges, the center of interest and effort has been in the courses of study. The men and women who have been members of the faculty have agreed in the thought that scholarship, intellectual life, according to the best conceptions of college men in all time, should be the central concern of young men and women while pursuing their courses. But while aiming at the best results of intellectual training, its instructors have always borne in mind that character is more than these, that the development of character is an essential part of the work of an educational institution, and that there is no sound basis for character except in Christian principle.

General Information

LOCATION

Ripon College is situated at Ripon, Wisconsin, on the Chicago and Northwestern, and the Chicago, Milwaukee and St. Paul Railways, about twenty-two miles west of Fond du Lac, and about seventy-five miles northwest of Milwaukee.

The city of Ripon is one of the most attractive places in the state. It is a residential city with a population of about five thousand people. It is supplied with electricity, gas, waterworks, and other modern conveniences. The scenery is beautiful and the climate healthful. The grounds occupied by the College are excellently located, commanding an extensive view of the surrounding country.

An institution educating masses of students needs every possibility for the maintenance of health. The location of Ripon College at once commends itself. It has nature's purest air, is supplied with deep spring water, and allows of perfect sewerage. Furthermore, the College is located in a small, beautiful city, with a surrounding country of rare beauty and fertility.

ORIGIN

The institution out of which the present Ripon College grew was incorporated January 29, 1851. Brockway College, as the first foundation was called in honor of one of its benefactors, was a development from the Lyceum of Ripon, which was founded November 23, 1850. In 1864 the name Ripon College was substituted by act of the legislature. The first college classes were organized in 1863. From the first the College has been under the control of a self-perpetuating Board of Trustees. While the College is entirely free from ecclesiastical control, the founders and most active early friends of Ripon were chiefly Congregationalists and Presbyterians. It has always had the warm support of various Christian bodies, and from others who have appreciated the importance of its services in training for efficient citizenship.

PURPOSE

Ripon College is a Christian college representing the ideals for which the New England colleges were founded, and is adapted to the needs and spirit of the West. It seeks to emphasize the importance of a liberal education, and offers a

course of study designed to develop men and women and to put them in possession of all their powers, physical, mental, moral, and spiritual, rather than to equip them with technical training for a specific calling. It is interested both in those who desire a full four years' College Course and in those who require two years or more of College preparation for the professional schools at the universities.

The College is especially concerned with the moral welfare of its students. It strives to present a genuine Christian atmosphere and to have all of its influences count for the development of strong and well grounded character. Being independent of all ecclesiastical or state control, it is free to adopt such educational policies as in the judgment of its own officers are best adapted to serve the ends for which this type of college stands.

STANDARDS

The high standards of scholarship maintained at Ripon College and the breadth and liberality of her administrative policy are indicated by the fact that the Carnegie Foundation for the Advancement of Teaching placed Ripon College on its first list of approved institutions. The College met all the rigid conditions of the Foundation without a single change. She has ever since enjoyed the advantages and liberal benefactions of that Foundation. From the beginning of her history Ripon College has been characterized by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

The General Educational Board, sometimes called the Rockefeller Foundation, whose requirements of educational efficiency are of the highest sort, placed its endorsement on Ripon College, by contributing Fifty Thousand Dollars toward the endowment fund recently raised. The Board intended that its action shall be regarded by benevolent people as an authoritative endorsement of the high character and assured future of Ripon College.

DEMOCRATIC SPIRIT

Costly customs and extravagances are inconsistent with good scholarship and proper training for life. Ripon College sanctions a liberal and varied social life, but the social customs and traditions of the College do not encourage the squandering of time and

money. The spending of money is not a concern of cash only, but it has a deep relation to the development of character. A true spirit of democracy is developed by the College Commons where students gather together for the common meal, the board being good under expert management, and given at cost. Dormitories and clubs, with absence of fraternities, promote the wholesome and unique spirit of democracy which is so manifest at Ripon College. Every man is rated at what he is worth, not in name, or money, or past deeds, but in his actions of today. He must make his individual stamp on undergraduate life, he must contribute something besides his reputation if he is to become a part of the institution.

RELIGIOUS LIFE

Ripon College is a Christian institution. It is non-sectarian, however, in management. Founded in prayer and sacrifice, sustained for all its best services in the Christian spirit, the administration of the College is clear in the conviction and program for Christian life and ideals as an essential reason for the very existence of the College. The aim is to have the simplicity of Christian principle permeate the entire study and life of faculty and student body.

Church attendance is strongly encouraged. The College earnestly asks that parents and home pastors co-operate with it to secure church loyalty. On entrance into the College the student names the church of his preference. Lists are given the local pastors who welcome the students of their group and care for their church interests. Bible study, with one hour college credit if the student meets the requirements, is given at various church schools at the regular Sunday School hour, taught by members of the College faculty. These classes have the size and spirit which make them popular and profitable.

College chapel service is central to the college life. It is held four days in the week. Religious exercises with a brief address is the general order of the service.

Sunday Vesper service is held once each month in the Congregational Church. Prominent ministers and laymen are secured to speak.

Watchful care is taken to simplify and deepen the moral and religious life. The Christian Associations meet this need in their religious services, their social events, their welcome and plans for the new students. The church young people's societies are popular. Bible classes in the college courses are recognized

by the Christian Associations as an integral part of their program. Curriculum Bible study is conducted in the Christian motive as well as in scholastic requirement. The curriculum provides also for theism, Christian evidences, religious education, and missions. Lental services were held in the College Chapel once a week during Lent with three of the city churches joining with the College in this service. Special voluntary groups are organized by the Christian Associations for religious study and worship. These groups are generally led by Faculty members.

ADVANTAGES

The chief advantages of Ripon College may be summed up as follows:

First. The situation is admirable. The Green Lake section of the state, in which Ripon is located, is unsurpassed for beauty and healthfulness.

Second. The campus is ideal. The buildings are modern in construction, and are well adapted to the purposes for which they were intended.

Third. The expenses to the student are exceptionally low. The total cost of room, board, and college fees may be kept below two hundred and fifty dollars a year.

Fourth. The spirit of the College is democratic. The College Commons does much to foster this spirit.

Fifth. The personal contact between professors and students is close. The student is made to feel at home. His teachers are his personal friends and his best guides.

Sixth. The idea of a liberal education is exalted. Ripon College is not a technical school. It aims, however, to prepare for the work of the professional courses. It stands for the training that produces cultured men and women.

Seventh. The ideals of the College are high and the traditions noble. Good work and good character are honored by the students as well as by the faculty.

Eighth. The teaching corps is efficient, and the course of study is sufficiently broad to meet the needs of all students who desire a college training.

GROUNDS AND BUILDINGS

The campus proper is situated in the western part of the city, on an elevation of land containing about twelve acres. The middle of the elevation is nearly circular, about one hun-

dred yards in diameter, smooth and level, and has an altitude of over thirty feet above the surrounding country. Upon this hill stand five of the College buildings. The others are conveniently located at the foot of the hill. The College is also fortunate in possessing an excellent athletic field, which affords ample space for baseball and football. It also contains a quarter-mile cinder track.

INGRAM HALL

A three-story brick building with stone trimmings, was completed in 1900 and named after one of its principal donors, Mr. O. H. Ingram of Eau Claire. It is the main lecture hall of the College, and contains the College Library. On the first floor are situated the offices, the lecture-rooms and laboratories of the departments of Biology and of Physics, the office of the Dean and the Registrar, and the stack-room of the Library. The second floor is occupied by lecture-rooms, and by the reading-room and office of the Library. On the third floor are the Chemistry laboratories, the lecture-rooms of the department of Philosophy and Education and of Economics and Sociology.

EAST COLLEGE

The first permanent building was completed in 1855. Formerly it was used chiefly for dormitory purposes. Later it was remodeled and now contains the administrative offices of the College, the Chapel, the studios and practice-rooms of the School of Music, and the quarters of the Young Men's and Young Women's Christian Associations. The building is a three-story, stone structure. It was originally fifty feet square, but the addition of a spacious wing to the west side has made it about twice its original size.

MIDDLE COLLEGE

Now known as Smith Hall, in memory of the late Elisha D. Smith, was opened as a dormitory for men in 1903. It is a four-story, stone building. It is finished throughout in hardwood, is heated by steam, and lighted by gas and electricity, and is thoroughly equipped throughout. Some of the suites are arranged for two students, and consist of a central study with a bedroom and wardrobe on each side. Others are arranged for one occupant, and consist of a single study, bedroom, and wardrobe. Besides the student apartments, this

hall contains a reception-room, guest-room, hospital, and in the basement an excellent bowling alley. The reception-room is furnished in mission style and has a large open fireplace.

WEST HALL

West Hall, which contains the College Commons, is a stone structure eighty by fifty feet and four stories high. By means of funds provided by the alumni, the first floor has been made into a thoroughly equipped modern dining-room. The Dining Association, which has charge of the Commons, provides an excellent quality of board at cost. The dining-room is large, finished in oak, well lighted, and provided with two open fireplaces. There are ample cloak and waiting rooms. The kitchen and serving rooms are models of convenience. The second and third floors of the building are used as dormitories for men, and are equipped in the same thorough manner as the rooms in Smith Hall. On the second floor is a large, pleasantly situated, and attractively furnished reception room.

BARTLETT HALL

This dormitory for women, is a four-story, cream brick building. It was named in honor of the late Sumner Bartlett, of Oshkosh, and is situated at the southwest corner of the campus, opposite the President's house. It is finished in hardwood, is steam heated throughout, and is supplied with hot and cold water. The suites for students consist of a study, bedroom, and wardrobe. The building also contains a reception-room, library, and guest-room. There is a kitchen and dining-room for occasional use. The reception-room is at the left of the entrance corridor; this leads into the house library containing current periodicals, a piano, and furnishings which add to the home-like atmosphere of the building. It is one of the most convenient and attractive college dormitories for women that can be found.

THE MARY C. HARWOOD HALL

Another dormitory for women was purchased in 1916 and named for the late Miss Mary C. Harwood, Dean of the Women and Professor of French and German in Ripon College, 1895-1914. The building is a beautiful three-story structure, located a block from the campus, on the corner of Woodside Avenue and Thorn Street. It was formerly known as the Chittenden residence. The building has been thoroughly renovated and re-furnished. It makes an attractive and comfortable home for a limited number of women.

ATHENIAN HALL

The old Chemical Laboratory, vacated when Ingram Hall was completed, has been remodeled for other purposes. The two main rooms have been turned into one large hall. The hall is supplied with a stage and is used for public speaking classes, debates, oratorical contests, dramatics, band rehearsals and social affairs.

DAWES COTTAGE

Dawes Cottage offers additional dormitory room for men. It is a comfortable frame building, convenient to the College campus. The engineer of the College also has his home here.

THE PRESIDENT'S HOUSE

The first president of the College, Dr. Merriman, built for himself a large brick house, just south of the College campus. The house is now the property of the College, and is the residence of the President of the College.

THE BIRTHPLACE OF THE REPUBLICAN PARTY

On the southwest corner of the campus stands a small white school house which bears the following inscription: "Birthplace of the Republican Party. In this school house March 20, 1854 was held the first mass meeting in this country that definitely and positively cut loose from old parties and advocated a new party under the name Republican."

This school house was originally built on a triangular piece of land just north of where the present Ripon high school building stands. Several years later it was moved eastward to the corner of Houston and East Fond du Lac streets and was converted into a dwelling. During the early part of the year 1908, the property was offered for sale. Through the efforts of the Ripon Historical Society, the City Council and the Commercial Club, the property was purchased and the building moved to its present site on the College campus, where it is being preserved as an historical relic, and used as a museum of natural science.

CENTRAL HEATING PLANT

A complete central heating plant has been installed. The system has resulted in increased comfort in the buildings, and in a large saving in cost. The steam supply pipes connecting the various buildings with the boilers, are so thoroughly insulated in the conduits that the waste from radiation is reduced to a minimum. The boilers carry high-pressure steam, and there is room in the boiler house for installation of dynamos for the production of light and power.

THE GYMNASIUM

The Indoor Athletic Field is of the best type of gymnasium architecture, and offers many unusual advantages for physical training and development. The central portion of the indoor field has a hardwood floor, eighty by fifty feet, for basketball, indoor baseball, tennis, and such games. Around the floor is a running track, seventeen laps to the mile, with an earth floor. This affords sufficient space for early spring training in all track and field sports, and for football and baseball, when the weather prohibits the use of the Ingalls Athletic Park. The south section of the building contains the showerbaths, rubbing and drying rooms. The building furnishes a convenient place for public intercollegiate athletic sports.

The plans for the completed building include two wings. They will contain all the essential features of a modern gymnasium. The first floor of the men's section will be equipped for college club-rooms. The second floor will contain the gymnastic apparatus for calisthenics. The women's section will be similar, having club-rooms and upper floor gymnasium. Each of the wings will be ninety by fifty feet.

LIBRARY

THE COLLEGE LIBRARY occupies large central rooms on the first and second floors of Ingram Hall. The main reading-room is on the second floor, and there is also a reading-room on the first floor in connection with the stack-room.

The library, according to the latest accession number, contains 26,950 volumes, exclusive of pamphlets, of which there are about 3,224. The aim of the College in the library has been to get the best books by the best authors. The result is an excellent working library, containing standard editions, critical works, books of reference, and bound periodicals. The number of the latter was increased by a hundred and fifty-five volumes through the summer's binding.

In addition to the library and reading-room facilities on the campus, students have access to the city library, now in the new Carnegie building, one block from the campus. The college library and the city library are largely supplementary, the former being strong in works of reference, the latter naturally furnishing books of more general interest. Both are open with a uniform rule to students and citizens.

The department of Religious Education has a good collection of appliances for modern religious education, including the leading graded text-books on the Bible, complete sets of the Tissot and Wilde pictures and those of the Presbyterian Board, and numerous books and other materials of value to those engaged in Sunday School work, or preparing for it. The department provides actual work in selecting and preparing materials for the various grades, and in teaching classes in a thoroughly graded school.

Opportunity is open to students, who wish to learn library work or purpose becoming librarians, to do practical work in the College Library. An apprenticeship of one hundred hours is served, after which the student receives financial remuneration.

The library is maintained in part by the income of a special gift for the purpose from Mr. Andrew Carnegie.

The library contains the following collections:

THE HARRY D. CLARK COLLECTION. The interest of a fund raised by the class of 1898 as a memorial to their deceased classmate, Harry D. Clark, is available for the purchase of books. There are at the present time 246 volumes in this collection.

THE BENJAMIN FRANKLIN THOMAS COLLECTION. The Thomas scientific library of physics was willed to the College Library by the late B. F. Thomas, of the class of 1874. Dr. Thomas was Professor of Physics at Ohio University. There are about 400 volumes in this collection.

THE MARY C. HARWOOD COLLECTION. The modern language library of the late Miss Mary C. Harwood was presented to the College Library by her sister, Mrs. H. A. Harwood. Miss Harwood was Dean of Women and Professor of French and German at Ripon from 1895 to 1914. There are 774 volumes in this collection, including 100 volumes which have been put into suitable library binding through the kindness of Miss Shirley Farr.

Other collections in the library are: The Clarissa Tucker Tracy Collection (71 volumes); The Ripon Oratorical Union Collection (30 volumes); The Delta Phi Sigma Collection (10 volumes) and the Dr. Edward Huntington Merrell Collection (161 volumes).

LABORATORIES

THE DEPARTMENT OF BIOLOGY occupies the east end of the first floor of Ingram Hall. There are three laboratories, arranged to take advantage of the north light for microscopical study, as far as possible. The largest of these is used for the work in the elementary courses and is well equipped with compound and dissecting microscopes available for student use. The other two laboratories are used, the one for bacteriology and embryology, the other for histology and physiology. These are fitted up with microtomes, paraffin oven, still, incubator, refrigerator, autoclave, steam and dry air sterilizers, and such special apparatus as is necessary in carrying out experimental work in physiology. All of the laboratories are fitted with electricity, gas and running water. Besides the laboratories the department has a vivarium and injection room with a dark-room in the basement. The apparatus is kept in good condition and is available for student use when necessary. Additions are made from time to time in order to keep pace with the strides of the biological sciences.

THE DEPARTMENT OF PHYSICS occupies the west end of the first floor of Ingram Hall and the southeast corner of the basement. This part of the building is particularly free from disturbances, well lighted, and admirably adapted for a physical laboratory. Every room is provided with water sinks, gas and electric light connections, and electricity from a bank of storage cells located in the basement. Four slate-capped piers of masonry rising from deep in the ground serve for experiments requiring unusual stability. A large and convenient dark room, complete in its appointments, is provided for work in optics, photometry and photography. This is an interior room and also serves for a constant temperature room, as the building is heated by steam with thermostatic control.

The laboratories have all been remodeled and during the past few years newly equipped with the best grade of physical apparatus.

The aim of the department is to present the subject of Physics as a science of exact measurement, with particular emphasis on the physical principles involved. Consequently, the apparatus found in this laboratory has been selected with special reference to its ability to yield accurate results in the hands of average students. The equipment for courses in general physics, optics, heat, and electrical measurements is unusually complete, meeting all the demands of a thorough course in each of these subjects. Every student in the labora-

tory receives the personal attention of the head of the department, and is continually in receipt of instruction and suggestion by personal contact, which is the most valuable way in which information can be given.

THE DEPARTMENT OF CHEMISTRY occupies the third floor of Ingram Hall; it has a large lecture-room, with a stock-room in close connection. The stock-room is conveniently arranged for chemicals and apparatus. Across the hall are the office library and balance-room, and the laboratories for general chemistry, qualitative, and quantitative analysis. There are also laboratories for organic chemistry and for private research. All laboratories are supplied with hoods and with individual desks, and each desk is furnished with lockers, gas and water. The lecture-room has every facility for demonstration, and the department is well equipped throughout.

MUSEUM

Although the College has no adequate quarters for a museum, it possesses some important collections. These are exceedingly useful for illustrative purposes in connection with regular class work. It is hoped that a suitable building may be provided for these collections in due time, thus making them available for more general inspection. The collections include the following:

BIOLOGICAL COLLECTIONS. The College is fortunate in having a very creditable number of invertebrate and vertebrate forms. This collection is available for student use and adds materially to the scope of the courses in the Department of Biology. In addition to the above mentioned collection, the Congdon collection of birds' eggs has been secured by the College. These eggs were collected by Russell T. Congdon of the class of 1903 in Wisconsin and Canada. They were secured by the College together with his collection of the birds of this region, and add materially to the value of the exhibition.

ARCHAEOLOGICAL COLLECTIONS. The departments of Latin and Greek possess an unusually fine collection of archaeological material. There are several thousand carefully selected photographs and slides, illustrating Greek and Roman history, geography, life, and art. There is also a small but carefully chosen collection of antiquities of special interest to students of the classics. There are 250 different Roman coins of the most important reigns of the Empire; more than fifty terra cotta lamps illustrating all the types, many of which are figured; Etruscan, Greek, and Roman vases, dating from 750

B. C. to about 300 B. C.; bronze fibulae, keys, letter stamps, bone stili, spoons, dice, etc., several fine specimens of glass from Greece and Italy; inscribed amphora handles, and numerous other articles connected with the daily life of the ancient Romans.

THE BARBER COLLECTION OF MINERALS. The nucleus of this collection was given to the College by the Reverend Geo. W. Barber. This is supplemented by the New Orleans Collection, from the New Orleans Exposition; and by the Armstrong collection of 500 minerals and rocks.

In addition to these collections is the "Educational Series of Rocks," furnished by the United States Government, and several valuable specimens from the mining regions of Wisconsin and Michigan.

MEDICAL ADVISOR

Appointment is made by the College of a medical advisor, who aids the Dean and the Physical Directors in conserving the health of the students. The present advisor is A. J. Morse, M.D. If at any time, in the judgment of the Dean or the Physical Directors, any student seems in need of a physical examination or medical advice, he may be sent to the Medical Advisor, who performs these services without charge to the student and reports to the Dean. If the student is found to be in need of medical attendance, he is notified by the Dean to secure it at his own expense, from whatever source he may desire. If in the opinion of the Medical Advisor the condition of the student is such as to necessitate his leaving college, his parents are notified to this effect.

PHYSICAL EDUCATION

FOR MEN

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. It is provided with lockers, hot and cold water, shower baths, rubbing and drying rooms.

The Gymnasium is in charge of a professional director. The training and exercise are under the immediate oversight and authority of the director, and are directed wholly with the view to the healthful development of the student. All young men are required to be examined by the director of physical culture, and exercises are prescribed for correcting

physical defects, with specific directions in regard to diet and bathing.

By placing the gymnasium work under the care of a thoroughly-trained specialist, who is a regular member of the college faculty, physical training has been developed to a degree of efficiency, under the best possible conditions.

FOR WOMEN

Excellent gymnasium facilities are provided for women. The training and exercise are under the direction of a woman who is an expert in this line of work. A physical examination is made of each student by the medical advisor and the physical director. The work consists of systematic exercises for the development of all parts of the body. The aim is to develop in all students the physical qualities of organic vigor, neuro-muscular skill, correct posture, and graceful actions; and such traits of character as courage, persistency, confidence, and sound judgment. It also teaches the capabilities, limitations, and control of the body. Special attention is given to recreation activities for relaxation from mental work. During the fall and spring the work is carried on out of doors when the weather permits.

ATHLETICS

The College encourages outdoor athletic games among the students. To encourage as many as possible to participate, interclass and dormitory games are arranged. The College is a member of the Wisconsin Intercollegiate Athletic Association and all games are played under its rules. General supervision of all athletic interests of the College is now vested in a committee, consisting of the Dean of the College, the Director of Athletics, a member of the Board of Trustees, and the Captain and Manager of the sport concerned. This committee formulates all rules, appoints managers for the various teams, and is responsible for the athletic policy of the College. All contracts for games are made by authority of the committee, witnessed by the signature of the Dean.

The Indoor Athletic Field offers many unusual advantages for early spring training in all track and field sports, and for baseball and football when the weather prohibits the use of the Ingalls Athletic Park. The central portion of this Indoor Field has a hardwood floor, 80 by 50 feet which is also used for basketball, tennis, and such games. Around the floor is a running-track, 17 laps to the mile. The building fur-

nishes a convenient place for public intercollegiate athletic sports.

Ingalls Athletic Park is well adapted to the special purposes for which it is used. The gridiron is level and of even, firm turf. The diamond is smooth and suitable for college games. The running track includes a full quarter mile.

Football is one of the greatest of college sports at Ripon and the game arouses an enthusiasm in which the whole college shares. As a rule fully one-third of the men in Ripon try for the team, and stay for work whether they make the first team or not. Ripon's record in football is very gratifying both to students and alumni. Owing to war conditions the game was not played by the Wisconsin Colleges in 1917. But in the previous season Ripon held the championship of two states, Wisconsin and Illinois.

Ripon has been in possession of the basketball championship since 1912. In 1916 the team won fourteen out of eighteen games. In 1917 Ripon won 309 points to her opponents' 147.

MILITARY DRILL

Immediately after the entrance of our country into the world war, military drill for the young men at Ripon College was established. It was made compulsory for all the men, but proved so popular that at the end of the college year the students voted unanimously in favor of compulsory military training for the year 1917-1918. The trustees, therefore, authorized the establishment of such a department, to continue until the end of the war. Under the present regulations no credit is given for any course of study unless the requirements in military training have been met satisfactorily. The necessity for military training has become increasingly evident to all colleges during the past year. It is the only adequate manner of meeting the defensive requirements of the present crisis. The drill at Ripon is under the direction of Retired-Captain William C. Springborn of the Second Regiment of Wisconsin Guards.

DEBATING AND ORATORY

There are unusual opportunities at Ripon for those who are interested in debating. Debating is the one intellectual college sport, and in this branch Ripon does not lag behind. In 1916 the department was thoroughly reorganized and since that time interest in all kinds of forensic work has been rapidly growing. The College holds membership in three debating leagues: the

Coe-Northwestern-Ripon League, the Carroll-Lawrence-Ripon League, and the Tri-State Debating League, which consists of three colleges each from Iowa, Minnesota, and Wisconsin. Ripon College has a chapter of Pi Kappa Delta, a national honorary forensic society. In order to become a member of this organization the student must have taken part in an intercollegiate oratorical contest or in an intercollegiate debate.

In another activity closely akin to debating there is offered an excellent opportunity for those students who are interested in public speaking. Ripon College is a member of several intercollegiate oratorical associations. Among these are: the Wisconsin Oratorical Association, the Interstate Oratorical Association, the Wisconsin Peace Association, the Interstate Peace Association, the Wisconsin Prohibition Association, and the Interstate Prohibition League. In the associations Ripon competes with Beloit, Carroll, Lawrence, Marquette, Milton, and the University of Wisconsin. During the past two years, in five oratorical contests with these institutions, Ripon has won two first places, one second place, and two third places. Excellent courses in oratory are offered and much individual attention is given to those students who wish to compete in any of the local or intercollegiate contests.

PRE-PROFESSIONAL COURSES

The curriculum at Ripon has always aimed to be liberal in the opportunities offered, and well balanced in the requirements imposed. In the courses of instruction offered, there has been a steady increase in the range of elective studies, avoiding on the one hand the monotony of a narrow group of studies mostly of an elementary sort, and on the other hand the distortion due to numerous specialized courses dealing with limited and disconnected portions of a field of study. Ripon has refrained from offering instruction of a merely professional or technical sort and has offered such courses as possess a general cultural value, though many of them are of special value in the preparation for certain careers. All first-class professional schools are now requiring at least two years of college work for entrance, and the best educational practice recognizes the combined college and professional course as a desirable arrangement.

During the past year nearly all the heads of the different professional schools at the University of Wisconsin have visited Ripon and in conjunction with the faculty here have arranged courses of the most approved character for those students who

desire to take up, later on, special courses at the University. Ripon is, therefore, admirably provided with courses leading to professional work in Agriculture, Medicine, Engineering, Law, Public Service, Commerce, Library Science, Theology, and Teaching. Moreover, through special arrangement with the University of Wisconsin, students who have completed a three-year pre-professional course of study at Ripon may enter upon their professional courses in the University and at the completion of one year's work there receive their bachelor's degree from Ripon College, thus graduating with their original class. Those interested in these pre-professional courses will find full information on pages 69-75.

College Organizations

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

During the formative period of college life there is great necessity for symmetrical development, for a balancing of intellectual with spiritual growth. The College Y. M. C. A. recognized this necessity, and organized for the purpose of aiding this harmonious development. In opening its doors to all young men of the College, the association aims to extend its sphere of influence as far as possible. Although distinctly a student organization, the association has the active support of the faculty, some of them being members, and many leading in the meetings. In order to keep in touch with the larger movement, the College Y. M. C. A. aims to be represented regularly at the state conventions, and also at the yearly conference of college men held at Lake Geneva.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The object of the Young Women's Christian Association is the development of Christian character in its members, and the prosecution of active Christian work, especially among the young women of the institution. The active membership of the association consists of women connected with the College who are members of the Christian churches. Any woman in the College may become an associate member. The association is affiliated with the international organization.

THE JOINT ORATORICAL BOARD

The Joint Oratorical Board is made up of four members of the faculty, a member of the board of trustees, the editors-in-chief and business managers of the *Crimson* and the *College Days*, and the managers of debate and oratory. The organization controls oratory, debate, dramatics, the *College Days* and the *Crimson*. The Board holds membership in the Wisconsin Intercollegiate Oratorical Association, the Interstate Oratorical Association, the Wisconsin Peace Association, the Interstate Peace Association, the Wisconsin Prohibition League and the Interstate Prohibition League. The Board also holds membership in three debating leagues: the Carroll-Northwestern-Ripon League; the Carroll-Lawrence-Ripon League and the Tri-State Debating League which consists of three Colleges each from Iowa, Minnesota and Wisconsin.

RIPON COLLEGE GLEE CLUB

Nothing appeals to the college man more strongly than the good times of musical club trips, and Ripon men are no exceptions to this rule. To make the Glee Club and thus have the privilege of joining in the jolly trips to the Wisconsin cities and towns is the fond hope of many an undergraduate. Those who have been fortunate enough to be among the thirty-odd men each year who have made up Ripon's Glee Club are unanimous in their verdict that some of the happiest occasions of their college life have come through these organizations. They serve a real purpose, musical and social, in the campus community today, and in the memory of the graduate are surely "a joy forever."

The Ripon College Glee Club had a successful season last year. This year, as for several years past, the Club will be under the direction of Professor Elizabeth Battle Bintliff, Director of the School of Music. Mr. W. C. Sainsbury of the Class of 1917 is Business Manager. Beginning about two weeks before Thanksgiving and continuing until the Easter vacation, rehearsals for the Glee Club are held on Tuesdays and Thursdays at 4:15 and on Saturdays at 1:15.

RIPON COLLEGE BAND

Those students who cannot sing do not find that their musical talents are altogether slighted at Ripon. Many who cannot sing can play musical instruments, and the college band of some twenty-five men sends out a continual call for more such talent. This band is conducted by Mr. Edgar H. Zobel, a member of the Ripon College Faculty, through whose untiring efforts the present high standard in this line of work has been attained. The band has become one of the most prominent and popular of the musical organizations at Ripon. All students who play band instruments are eligible for membership, a reasonable degree of proficiency being the only requirement. The band performs lustily at athletic games on Ingalls Field, and at basketball games in the Indoor Athletic Field, and turns out at all rallies and mass meetings to play once more with true inspiration the favorite "Alma Mater." The band also gives a classical concert in the spring which is greatly appreciated by lovers of music.

ORCHESTRA

The Edgar Zobel Concert Orchestra is another of the leading musical features of Ripon College. The orchestra was organized

and is conducted by Mr. Edgar H. Zobel, a member of the college faculty, and a graduate of Ripon College in the class of 1907. The orchestra has, during the four years since its organization, developed into one of the very finest of amateur organizations, playing with a finish and unity seldom equalled outside of professional ranks. Doing solely concert work and confining itself to the playing of only the better class of music, this orchestra affords excellent opportunity for all those qualified and interested in orchestral work. In 1916 the orchestra made its initial appearance on the local Lyceum and Lecture Course, scoring the hit of the season. The orchestra at present has about thirty members. New members are admitted each year. The organization affords a means of valuable training and of pleasant recreation.

PI KAPPA DELTA

Pi Kappa Delta is a national honorary forensic society, which had its origin at Ripon College. In order to become a member of this organization the student must have taken part in an intercollegiate oratorical contest or in an intercollegiate debate. The members of the Ripon chapter who are now in college are: Marvin Schmidt, president; Leo McCullough, vice-president; Hugh Jones, secretary and treasurer; Frederick Helm, and Professor Henry P. Boody.

THE MASK AND WIG

This is the honorary branch of the Ripon College Dramatic Club. Membership in the Dramatic Club is not limited; but only those students who participate in the public presentation of a play are entitled to membership in the Mask and Wig. A play is presented each semester. Parts are obtained through competitive try-outs. The officers of the Mask and Wig are: Alvira Thomas, president; Benjamin Page, vice-president; Max Fox, secretary and treasurer. The plays thus far presented by the Mask and Wig are: *A Scrap of Paper*, by Victorien Sardou; *Mice and Men*, by Madeleine Riley; *The Neighbors*, by Zona Gale; *Mercedes*, by Thomas Bailey Aldrich. *A Mid-Summer Night's Dream*, by Shakespeare is in preparation.

THE LATIN CLUB

The Latin Club is composed of the members of the Department of Classics with the exception of the members of the class in beginning Latin. The meetings of the club are held twice a month on Thursday evenings. The programs are made up of

papers and discussions relating to Roman life and customs. Latin plays and short plays in English dealing with classic themes are occasionally given. The officers of the club are: Mathilda Mathisen, president; Edwin Webster, secretary; Lillian Schwefel, chairman of the program committee.

THE LEAGUE

This is an organization of the young women who live outside the college dormitories. Like the organizations within Bartlett and Harwood Halls, it is intended for unifying the varied yet common interests of its members. A rest room on the third floor of Ingram Hall has been furnished for them, where it is possible to hold meetings, or to spend a study hour between classes. Miss Josephine Hargrave, of the College faculty, is advisor of the League.

College Publications

THE BULLETIN

The Ripon College Bulletin is issued four times a year—in January, March, May and September. The January issue is the regular catalogue number. The March issue is an illustrated booklet of information concerning the College and its various activities. It is designed especially to furnish prospective students the necessary data from which to decide whether they will undertake a course of study at Ripon College. The May Bulletin reviews the college year and announces the Commencement program. The September issue forecasts the approaching semester and notes any changes in the faculty or courses of study.

COLLEGE DAYS

College Days is a weekly publication. It is issued by a board of editors appointed by the Joint Committee on Publications. It is now in its forty-ninth year. It aims to record the various phases of campus life. To this end, it occasionally publishes articles by professors and students, either the records of personal experiences or the results of special investigation. It has aimed to keep in touch with sister colleges, has noted the goings and comings of alumni, and has endeavored to record, in lighter vein, the pleasures and pastimes of the students. The College Days is the oldest college newspaper in Wisconsin.

THE CRIMSON

The Crimson is the College Annual, published by the students of Ripon College. The Editor-in-Chief and the Business Manager are appointed by the Joint Committee on Publications. It is a book of college life, dealing, among other things, with the faculty, class and student organizations, social life and athletics. It endeavors to record events which in after years will cause the student to re-live some of his former experiences; incidents which in years to come will freshen in his memory the scenes and faces of his college days.

Student Expenses

The charge to the student is but a small part of the cost to the College. The balance of the cost is met by the income of the endowment fund, and by gifts from trustees and other friends of the College.

The five dollars paid on the incidental fee will not be refunded under any circumstances. If a student leaves college for good reasons before the middle of a semester, one half his college bills will be refunded. No refund will be made to a student who remains in attendance more than half a semester.

Room rent and laboratory fees cannot be refunded to students who leave dormitories or laboratory classes during the semester.

All indebtedness to the College must be paid or satisfactorily arranged before a diploma or certificate of standings will be given.

The total cost for the student varies. The minimum expense will be within the reach of students of limited resources, while others may easily make provision for themselves in accordance with their means.

FEES, TUITION AND DEPOSITS

A Matriculation fee, payable but once, on entrance.	\$ 5.00
Tuition, per semester	10.00
Incidental Fee, per semester	27.50
Damage Deposit in all Dormitories, per semester.	1.50
Extra Registration (in excess of sixteen hours) per hour.	2.50
Laboratory Fees, payable in advance, per semester—	
Archaeology	1.50
Bacteriology	7.50
Botany	4.00
Chemistry, four and five-hour courses	6.00
Chemistry Breakage Deposit	3.00
Embryology	7.50
Histology	5.00
Physics Laboratory, per unit hour	1.50
Physiology	4.50
Surveying	3.00
Zoology	4.00

DORMITORY ACCOMMODATIONS

Bartlett Hall and The Mary C. Harwood Hall are dormitories for women. The homes are equipped with all modern conveniences and are among the most attractive college dormitories for women that can be found. The rooms are lighted with electricity, heated by steam, and provided with single beds, mattresses, chiffoniers, and desks. Each of these dormitories contains a large and beautifully furnished reception room.

Smith Hall and West Hall are dormitories for men. These halls are well equipped in every particular. Some of the suites are arranged for two students, and consist of a central study with a bed-room and wardrobe on either side. Others are arranged for one student, and consist of a single study, bed-room, and wardrobe. Each hall also contains a large, pleasantly situated, and attractively furnished reception room. Besides these two dormitories and Dawes Cottage, which accommodates a limited number of men, there are three club houses for men, which are in all respects well fitted for the life of their members. These club houses are: The Elms, The Woodside, and The Hill-top. These club houses are rented and managed by the club members themselves.

Students are permitted to take lodgings in town, but the places in which they room are in all cases subject to the approval of the Faculty.

No rooms are reserved except on payment of \$5.00, which will be applied on room rent. This fee will not be refunded after August 1.

Applications for rooms by students in residences should be made in writing between May 20-27.

Rooms, when taken, are engaged for the year. Students who wish to change must first make provision for a new occupant.

Dormitory rooms are furnished with all necessary heavy furnishings. Students will bring their own bedding, pillows, rug for the floor, and such ornaments as they desire for their rooms. All buildings are heated with steam, furnished with hot and cold water and electricity. Price of room rent does not include cost of light in the rooms.

PRICES OF COLLEGE ROOMS

Smith Hall, Dormitory for men, with steam heat, hot and cold water, furnished rooms,

two men in a room excepting as otherwise stated:

Room number 103, single, per semester \$17.50

Rooms number 101, 102, 105, 106, 201, 203, 205, 301, 305, per semester 22.50

Rooms number 202, 206, 302, 303, 306, per semester 25.00

Rooms number 100, 107, 108, 200, 207, 208, 300, 307, 308, per semester 27.50

West Hall, Dormitory for men, with steam heat, hot and cold water, furnished rooms, two men in a room:

Rooms number 205, 207, 209, 302, 303, 304, 305, 307, 308, 309 per semester 22.50

Rooms number 211, 300, 301, 310, 311, per semester 25.00

Dawes Cottage, Dormitory for men, with steam heat, hot and cold water, furnished rooms, two men in a room, per semester . . . 15.00

Bartlett Hall, Dormitory for women, with steam heat, hot and cold water, furnished rooms, two women in a room excepting as otherwise stated:

Room number 100, single, per semester 28.50

Rooms number 105, 107, 204, 205, 206, 207, per semester 28.50

Rooms number 103, 202, 203, 300, 301, 304, 305, 306, 307, per semester 26.50

Rooms 101, 302, 303, per semester 24.50

Room number 200, per semester 22.50

The Mary C. Harwood Hall, Dormitory for women, with heat, hot and cold water, furnished rooms, depending on location, per semester \$25.00—30.00

BOARD

Board is furnished at the College Commons in the West Building at the rate of \$4.50 a week. Of this sum \$1.00 per week for overhead or fixed expenses of the Commons is charged to each student rooming in any of the college dormitories, including the Hilltop, and \$3.50 per week in addition is charged to each student actually boarding at the Commons, or registered to board there.

All young women students who do not live at home in the city are required to board at the College Commons unless excused on written request of parents.

Charges as enumerated above, \$1.00 per week for overhead expenses, and \$3.50 per week for board, are payable at the College office in advance for the whole semester; although when specially desired, payments may be permitted as follows: one half of the total amount at the beginning of the semester and one half on the 1st of December. For the second semester, one half may be paid at the opening of that semester and one half on the 1st of April.

Student boarders will not be accommodated before Monday, September 23, 1918. Students desiring to entertain guests after the opening days of the semester must obtain permission from the representative of the board, Mrs. Nellie Merwin, that record may be made. Each student boarding at the Commons has the right to entertain to the extent of one guest for three meals, but not more than two of these meals shall be in any one semester. Above that number of meals, guests are charged at the rate of thirty-five cents for single meals.

The dining hall is under the management of the College. It is directed by competent College officials, and is conducted without the idea of profit and for the purpose of providing good wholesome food at the lowest possible cost. The dining hall is commodious, neat and attractive, and the service is good. A true spirit of democracy is fostered by the College Commons, where students gather for the common meal. Here, as in the dormitory and Club life of the College, the feeling of fellowship is developed, valuable acquaintances are made, and friendships that often last through life.

STUDENT AID

Faithful, worthy students, who are willing to work, need not abandon their course of study for lack of money. Each year a number of students make a large proportion of their expenses by means of outside work. There are opportunities for work in the dining hall, on the campus and in the buildings. In addition to this, many positions in the city are available for students who are willing to do good work. Students desiring employment should file their applications in writing with the Dean.

SPECIAL FUNDS

The College has available several funds for use as indicated below. Anyone desiring to be a candidate for the bene-

fits of any of these funds should write to the Registrar for blanks to make application therefor. These applications will be considered by the faculty committee on scholarships, and the benefits will be distributed where they will appear to accomplish the greatest good.

RUFUS DODGE FUND. The late Rufus Dodge, of Beaver Dam, left the College a legacy of \$9,000 as a permanent fund to aid young women of limited means in getting an education. The interest of this fund is available each year for distribution among such students for this purpose, according to their need.

PHILO SHERMAN BENNETT SCHOLARSHIP LOAN FUND. Mr. Philo S. Bennett, of New Haven, Connecticut, left \$10,000 in his will to Wm. J. Bryan, as trustee, to divide among several colleges, in his discretion, as a fund to help worthy young men. \$500 of this fund was given in June, 1905, to Ripon College, the conditions being that the same be invested as a perpetual fund, the income only to be loaned to worthy young men in need, who shall be honor bound to return the loan; and when so repaid, it shall be re-loaned in the same manner.

The principal fund is known as the Philo Sherman Bennett Fund. The income from this fund, the amount which is available for student use, is called the William Jennings Bryan, Trustee, Fund.

SUMMER T. BARTLETT SCHOLARSHIP FUND. The sum of \$1,000 was given by Mrs. Lucy Bartlett, of Oshkosh, Wisconsin, for a permanent scholarship. The condition of the scholarship is that one student at a time, forever, shall be admitted to Ripon College free of tuition, such student to be designated by the college faculty, and to be one studying for the gospel ministry or for special missionary work.

REV. E. W. COOK SCHOLARSHIP FUND. The sum of \$500 was given by the Rev. E. W. Cook, of Ripon, for the purchase of a scholarship. Free tuition is to be granted to one student at a time from the income of this fund, in perpetuity.

O. W. VAN VECHTIN STUDENT LOAN FUND. This was the gift of O. W. Van Vechtin, who presented to the President \$100 as a loan fund, to be under the control of the President, and to be loaned to worthy students, and to draw no interest while the borrowers are in college, but from date of leaving college to draw interest at the legal rate. The interest accruing may be added to the fund or given to students, at the President's discretion.

DAVID WHITCOMB SCHOLARSHIP FUND. \$1,000 was given by David Whitcomb, of Worcester, Massachusetts, for the purchase of a permanent scholarship, the income of which fund is to be used annually to aid needy and worthy students. By resolution of the Board of Trustees, June 20, 1885, the income is appropriated to payment of necessary term bills of young men who shall be nominated by the faculty for such credit, the sons of missionaries and ministers to be preferred, and the amount of appropriation to each pupil to be determined by the faculty.

ALUMNI ASSOCIATION, 1868, M. W. PINKERTON MEMORIAL FUND. This fund was collected by the Alumni Association as a memorial to M. W. Pinkerton, of the class of 1868. Mr. Pinkerton gave his life to the cause of Missions in connection with the work of the American Board in Africa.

At the annual meeting of the Association in June, 1910, by a formal vote, the fund was turned over to the College, to be used according to the general intent of the givers, but without further responsibility to the Association.

CLASS OF 1898 HARRY D. CLARK MEMORIAL FUND. This is a fund credited to the class of 1898, as a memorial to their deceased classmate Harry D. Clark. The interest is to be used for the purchase of books for the library.

CLASS OF 1901 OWEN C. ROWLANDS MEMORIAL ART FUND. The class of 1901 has provided a special fund, the interest of which is to be used for art decorations. It is a memorial to Owen C. Rowlands, a former member of the class, now deceased.

PRIZES AND HONORS

MRS. JOHN JAMES ENGLISH PRIZE FUND. From the interest of a fund of \$1,500 given by Mrs. John James, of Boston, for the encouragement of English Composition in the College, the following prizes are offered for this year.

FRESHMAN COMPOSITION. For general ability in composition, as indicated partly by the class record in English C1, and partly by a final test, five prizes are offered: one of \$15.00, one of \$10.00, and three of \$5.00 each.

ORATORY. For the best orations presented at the time of the Home Oratorical Contest, the following prizes are offered: first prize, \$15.00; second prize, \$10.00. The award is to be made wholly upon the basis of thought and composition.

DEBATE. For excellence in debate, judged wholly from the standpoint of thought and composition, two prizes are offered: first prize, \$15.00; second prize, \$10.00.

J. T. LEWIS PRIZE FUND. This was established by Hon. J. T. Lewis, of Columbus. The annual income of a fund of \$200 will be awarded to the student who prepares the best set of notes and drawings on the biological work of the freshman year. It will not be granted for inferior work.

CLASS OF 1896 MEMORIAL PRIZE FUND. The income, about \$20.00, of the Memorial Prize Fund of the class of 1896, will be awarded to the successful contestant in a declamatory contest between members of the junior class each year.

PRIZE SCHOLARSHIP. To encourage students of special promise in graduate study, a friend of the College offers, as a prize, one year's tuition in the graduate school of either the University of Chicago or the University of Wisconsin. This prize is open to students of History, Economics, Law, Language and Literature, Philosophy, or Education. The award is made by the faculty to the member of the senior class who shows the greatest proficiency in the studies of the undergraduate course and the best preparation for graduate study.

DEPARTMENT FELLOWSHIPS. The head of each department has the privilege of recommending, for ratification by a vote of the faculty, one advanced student of high standing as Fellow in the department.

THE RHODES SCHOLARSHIPS. In order to keep this well-known bequest before the minds of present or prospective students, it is briefly mentioned here. Circulars of full information can be obtained at the registrar's office. Any male student, who is a citizen of the United States and unmarried, not less than nineteen nor more than twenty-four years of age, and who has reached the end of his sophomore year of study, may be a candidate for one of the Wisconsin scholarships. This insures to the winning contestants among the schools of the State a three-year residence in Oxford University, England.

All competitors must be prepared to take an examination in the following subjects: Arithmetic, the elements of Algebra or the elements of Geometry, Greek and Latin Grammar, translation from English into Latin, one Greek and one Latin book from authors such as Caesar, Cicero, Livy, Horace, Virgil, Homer, Xenophon, Plato, Sophocles, Euripides, and Demosthenes.

UNIVERSITY FELLOWSHIP. The University of Wisconsin, through its President, has extended to Ripon College an invitation to appoint one of its graduates each year to a Fellowship in the University. The value of this Fellowship is \$225 a year.

GIFTS

All departments of Ripon College are under the care of the same Board of Trustees and all gifts and bequests should be made to "The Board of Trustees of Ripon College." When bequests are designated for the uses of a particular department, or for any other special purpose, they are limited to such purposes. But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Ripon College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I hereby give and bequeath to the Board of Trustees of Ripon College the sum of _____ Dollars.

FORM OF ANNUITY BOND

Whereas, _____ of _____ state of _____, has this day donated and delivered to the BOARD OF TRUSTEES OF RIPON COLLEGE, an educational corporation organized and existing under the laws of Wisconsin, the sum of _____ Dollars, the receipt whereof is hereby acknowledged, subject to the terms and conditions hereinafter set forth;

NOW, THEREFORE, the BOARD OF TRUSTEES OF RIPON COLLEGE, in consideration of the said gift, hereby agrees to pay to the said _____ during _____ natural life, an annuity of _____ Dollars, in semi-annual payments of _____ Dollars, each, commencing on the _____ day of _____ A.D. One Thousand Nine Hundred and _____, if said annuitant be then living, and terminating with the last payment preceding the death of said annuitant; and the said sum donated by said _____ as aforesaid, is to be considered as an executed gift to the said Board of Trustees of Ripon College, and to belong to the said corporation from this date, without any account thereof or liability therefor.

In Witness Whereof, the Board of Trustees of Ripon College has caused these presents to be signed by its President and countersigned by its Secretary, and its corporate seal to be affixed hereto, at Ripon, Wisconsin, this _____ day of _____ A. D. 19 _____

BOARD OF TRUSTEES OF RIPON COLLEGE

By _____ President

Countersigned _____ Secretary

The College Administration

THE COLLEGE YEAR

The college year is divided into two semesters. For the coming year the first semester will begin on Monday, September 23, 1918. Monday and Tuesday, September 23 and 24, are registration days. Lectures and recitations will begin on Wednesday, September 25, 1918. Thanksgiving Day, November 28, 1918, will be a college holiday. The Christmas vacation for 1918 will begin on Friday, December 21, at 3:00 p. m. and end at 8:00 a. m. on Tuesday, January 7, 1919.

The second semester will begin on Monday, February 10, 1919. A number of courses, complete in themselves, begin in the second semester. Students who enter college at that time will be able to avail themselves of such courses. Many students who finish high school in the middle of the year will find it decidedly to their advantage to enter college at the beginning of the second semester, thus being able to finish the college course a half year earlier than they would otherwise be able to do.

The Easter Recess for 1919 begins on Wednesday, April 16 at 3:00 p. m., and ends at 8:00 a. m., on Tuesday, April 22. Commencement will be June 8-11, 1919.

GOVERNMENT

The College has few rules governing the conduct of students. In general it is expected that they will conduct themselves in an orderly way, with due regard for the rights of others, and in such manner as will conduce to best work in College.

Students are forbidden to smoke on the campus or athletic field and are not expected to smoke on the streets. Visiting saloons or gambling in any form are considered sufficient causes for dismissal from College.

Whenever a student has been called to the Dean's office on a serious case of discipline, his parent is notified by a letter from the President of the College. The student is then expected to explain to his parent the occasion of the discipline. In such cases the College office will, upon request, furnish the parent with details in regard to the student's conduct.

In case of matters of general order or common interest, the students are represented by a Student Committee, which meets

with the college officers of discipline. This Committee consists of seven students, who are selected by the faculty from the whole student body.

The policy of the College toward student activities is to put each under a Joint Committee, consisting of representatives from the Board of Trustees, the faculty, and the students. This Committee has general oversight of the finances and policy of the activity which it represents. All details, however, are managed by the student officers. This method is employed in the control of the Commons, Forensics, Athletics, and Musical Organizations.

Students occupying dormitories, and other student organizations occupying permanent quarters for social or living purposes are required to adopt house rules. Such organizations shall also appoint a house committee consisting of at least three members, whose duty it shall be to enforce the observance of the house rules, and who shall be primarily responsible individually and collectively, for the observance of Faculty rules by the organization or body which they represent. This committee also constitutes the regular channel of communication between the organization and the faculty advisor of the organization appointed by the administrative officers of the College.

Students are not allowed to have firearms in any of the College buildings except on written permission of the Chief of Police of the City of Ripon.

RULES RELATING TO CLUBS

In the college life at Ripon emphasis has always been placed with clear discrimination, upon individual character and upon democracy in the social relations. It is an unwritten law of Median unchangeableness that at Ripon every man is good enough to associate on equal terms with every other man. It must never be forgotten that neither wealth nor social position, but ability and character are the standards by which our students are judged. The same principle rules to discountenance every tendency to set a higher scale of personal expenditure than is possible for the average undergraduate. As a safeguard against undemocratic tendencies the trustees of Ripon, early in its history, ruled against the establishment of fraternities among the students and against any imitations of the practices of fraternities. The organization of clubs, under certain circumstances is sanctioned, but these must remain clubs pure and

simple without any of the objectionable features that are often found in Greek letter fraternities. It is believed that this is the only policy that will insure for the future that wholesome and unique spirit of democracy which has thus far been manifest at Ripon College.

The Board of Trustees at its meeting on June 11, 1917, adopted the following rules relating to the management of all clubs at Ripon:

(1) Students who have engaged rooms in any of the dormitories are prohibited from leaving these rooms to go into club houses.

(2) The clubs shall not use Greek letters as insignia and shall not wear pins or other jewelry with Greek letter insignia thereon.

(3) The clubs shall not run eating houses except by permission of the college authorities.

CLASSIFICATION OF STUDENTS

For participation in class contests, for chapel seating and for administration purposes in general, classification is determined at the beginning of the college year, according to the following plan: A student having secured at least eighteen hour-credits and twenty-four honor-credits will be classified as a Sophomore; fifty-four hour credits and fifty-four honor credits will be classified as a Junior; and eighty-eight hour-credits and eighty-eight honor credits will be classified as a Senior.

CLASS RECORDS

EXAMINATIONS are held at the end of each semester, or at intervals during the semester, in all courses. At the end of each semester the marks are handed in, and the record for that semester is closed. Reports of standings are sent to the student's parent or guardian at the close of each semester.

CLASS STANDING

The following table shows the college scale of marks:

93-100.....	A
85-92.....	B
77-84.....	C
70-76.....	D
60-69.....	X
Below 60.....	Z
Incomplete Courses.....	I

A, B, C, and D are "passing" marks. Z indicates a failure, X a condition, and I a course that has not been completed. No student is allowed to drop a course without the consent of

the instructor on the proper blank received from the registrar. All courses dropped without this observance are reported by the instructor and recorded as failures. If a student fails in a course, credit can be secured only by repeating the course in class. If a student is conditioned in a course, the condition must be removed by examination taken on the day appointed for this purpose. The date for removing conditions of the first semester is the last Wednesday in February, and for removing conditions, of the second semester, the first Wednesday in October. A general average of C in all subjects is required for graduation.

ABSENCE FROM CLASS OR CHAPEL

REGULAR ATTENDANCE is expected on all class and laboratory exercises and on Chapel and Vesper services. If the absences in a given course exceed by one the number of semester credits in that course, the student is immediately dropped from that class, and can return only after being reinstated by the Dean of the College, with the concurrence of the Professor in charge. After the second absence, beyond the number allowed, no student will be reinstated, either by the Dean or by the instructor, without a special vote of the Faculty. No consideration will be given by the Faculty to the question of reinstatement without a written explanation from the student, covering all absences.

If at any time a student is absent, he must satisfy his instructors that such absence is for good and sufficient cause. No credit will be given to any student who is absent, either with or without excuse, from more than 25 per cent of the exercises of a given class in any semester.

Chapel absences to the number of fifteen are permitted during a semester, a Vesper service counting as four chapel services. For each absence in addition to the fifteen, two honor credits will be deducted from the student's honor credits for the semester.

A student who is absent from the last recitation period preceding the Christmas or Easter vacation, or from the first recitation following such vacations, will not be allowed to take the regular final examination in the subject missed, but may take it when the next regular examination in the subject is given.

DISHONESTY IN COLLEGE WORK

Ripon College expects every student to hold to the strictest standards of honesty in all college work. Any student

who presents as his own work which he has not performed, or who gives aid to a fellow student, whether in semester examinations, oral or written quizzes, laboratory exercises, or reports, or any form of college work, renders himself liable to suffer loss of all credit in the work concerned, and to be suspended from the College.

REGULATIONS GOVERNING ELIGIBILITY

These regulations apply to students taking part in dramatic performances, public debates and oratorical exhibitions, to members of the editorial and business staffs of the College publications, and all officers of student organizations.

1. The student must be regularly enrolled in the College.
2. The candidate must have no conditions and no failures and a weighted average of at least 77 for the previous semester. Students with "incompletes" are required to secure the consent of the Dean of the College.
3. Students under discipline are ineligible.
4. A student who is reported to the Dean as not passing in twelve hours' work is ineligible until his instructors report him above C in at least twelve hours' work.
5. No dismissed or suspended student may represent the College in any public event.

REQUIREMENTS FOR DEGREES

BACHELOR OF ARTS. The degree of Bachelor of Arts is conferred by the Board of Trustees, after recommendation by the Faculty, upon those candidates who have completed the collegiate requirements. These are as follows: A total credit of one hundred and twenty semester hours in the college courses; at least 124 honor credits, or an average mark in all subjects of C or higher; an acceptable thesis upon some theme related to the major subject of his course, or, as a substitute for the thesis, an advanced course of four hours during the senior year. The time required for the fulfillment of these conditions is usually four years.

BACHELOR OF PHILOSOPHY. The College will confer the degree of Bachelor of Philosophy on all students who have completed the courses prescribed for this degree. It differs from the degree of Bachelor of Arts only in that no foreign language is required either for entrance or graduation. The total number of credits and the rules for major study and thesis are the same as in the course for Bachelor of Arts degree.

MASTER OF ARTS. The degree of Master of Arts may be conferred upon any graduate of Ripon College, or of any college offering substantially equivalent courses, who shall have completed an approved course of non-professional study equivalent to an additional year, or thirty hours of advanced college work.

This work may be done during one year in residence at Ripon College, or, in case of graduates of this college, during two years of work *in absentia*. There are, however, only certain departments of the college in which advanced work leading to a Master's degree is offered. Credits for residence graduate work from a university or graduate school to the amount of eighteen hours, or a half year, will be accepted.

The candidate for the Master's degree must register for the courses to be taken at the time of regular college registration, and with the approval of that member of the faculty with whom his major work is to be taken. He must also, on the completion of his work, present an acceptable thesis, the work for which may be counted as four hours of the required thirty hours.

The fees for work leading to the Master's degree, when done in residence and with regularly scheduled classes, shall be the same as for undergraduate students, including tuition and incidentals. The fees for courses taken *in absentia* shall be: a registration fee of three dollars for each course; and an instructor's fee of two dollars and a half for each semester-hour in the course taken. The latter fee, however, shall in no case be less than five dollars. A four-hour course, therefore, taken *in absentia*, would cost the student thirteen dollars. These fees are payable at the time of registration.

Applications for the degree of Master of Arts should be made to the Registrar of the College.

Requirements for Admission to College

APPLICATION FOR ADMISSION

If a student wishes to enter Ripon College by certificate, he should obtain a blank certificate which is to be filled and returned to the College by the principal of his preparatory school. All candidates must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of honorable dismissal.

SCHOLARSHIP REQUIREMENTS

The scholarship requirements for admission to the freshman class are stated in terms of units. To count a unit, a subject must have been pursued for one school year of thirty-six weeks with five recitation periods per week. Candidates are required to present fifteen units of preparatory work as indicated below. Half units are to be counted only when they are in addition to whole units in the same subject or when presented in closely allied branches not usually taught in periods of one year each, such as botany and zoology, or economics and civics. In any subject three recitations a week for one year and a half may be counted as one unit.

Of the fifteen units necessary for admission four are required of all, and eleven are elective. The required units are as follows:

English (two years)	2 units
Mathematics:	
Algebra (one year)	1 unit
Geometry (one year)	1 unit

Two units must be presented from *one* of the following:

One Foreign Language (two years)	2 units
(French, German, Greek, Hebrew, Latin, Norse, or Spanish)	
or Science (two years)	2 units
or History (two years)	2 units

To the six units of work outlined above, nine units must be added from the following list of elective subjects:

English (one or two years)	1 or 2 units
Mathematics (one half to two years)	$\frac{1}{2}$ to 2 units
Greek (one or two years)	1 or 2 units
Latin (one to four years)	1 to 4 units
German (one to four years)	1 to 4 units
French (one to four years)	1 to 4 units
Spanish (one or two years)	1 or 2 units

History (one to four years)	1 to 4 units
Civics (one half or one year)	$\frac{1}{2}$ or 1 unit
Economics (one half year)	$\frac{1}{2}$ unit
Science (one to four years)	1 to 4 units
Agriculture (one to four years)	1 to 4 units
Bookkeeping (one year)	1 unit
Stenography and Typewriting (one year)	1 unit
Commercial Law (one half year)	$\frac{1}{2}$ unit
Commercial Geography (one half year)	$\frac{1}{2}$ unit
Domestic Science (one to four years)	1 to 4 units
Manual Arts (one to four years)	1 to 4 units

CONCERNING FOREIGN LANGUAGE

Students are admitted to the College without foreign language; but it is highly desirable for students who intend to take the A. B. degree upon graduation to present at least two years of some foreign language as an entrance subject. The amount of foreign language required in College for the A. B. degree is lessened by the amount of foreign language the high school pupil presents for entrance. In view of the fact that foreign languages can be pursued most advantageously at an early age, the College strongly recommends that all candidates for the A. B. degree secure as large an amount of foreign language as possible in their high school course. Advanced College Credit will be given for foreign language at the rate of four hour-credits for each high school unit in excess of the fifteen units of preparatory work required for entrance. For the degree of Ph. B. no foreign language is required either for entrance or graduation. This does not preclude the possibility of electing one or more foreign languages during the college course leading to the degree of Ph. B.

CONCERNING VOCATIONAL SUBJECTS

Not more than four of the required fifteen units will be accepted in vocational subjects including agriculture, commercial work, domestic science, and manual arts. The four units that are allowed in these subjects may be within any one group or may be made up of such a combination of work from the different groups as shall meet the approval of the College.

DETAILS OF SUBJECTS

The extent of preparation expected in each of the subjects that may be offered for admission is indicated by the following description:

ENGLISH

2 units required. All candidates for admission to the College must present two units in English, which consists of two years' work in composition and in the reading and study of English classics. One half of the time is to be devoted to theme-writing and instruction in the principles of composition, and one half to the careful study of at least ten of the English classics on the list of uniform college entrance requirements in English, or their equivalents.

Preparation in English should have two main objects: (a) command of correct and clear English, spoken and written; (b) power to read with intelligence and appreciation. To secure the first end, training in grammar and in the simpler principles of rhetoric, and the writing of frequent compositions, are essential. The candidate must be able to spell, capitalize and punctuate with accuracy. He must have a practical knowledge of the essentials of English grammar, of the construction of the sentence, and of the simpler principles of paragraph division and structure. To secure the second end, the candidate is required to read ten books from the following list. The student should read the books with a view to understanding and enjoying them, and should acquire a reasonable degree of familiarity with their substance. Two books are to be chosen from each group, with the exception that for any one of the first group one from any other group may be substituted.

For 1917-1919 the readings are as follows:

GROUP I—Classics in Translation (two to be selected): The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books i, ii, iii, iv, v, xv, xvi, xvii; the *Iliad*, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Virgil's *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

GROUP II—Shakespeare: *Midsummer-Night's Dream*; *Merchant of Venice*; *As You Like It*; *Twelfth Night*; *The Tempest*; *Romeo and Juliet*; *King John*; *Richard II*; *Richard III*; *Henry V*; *Coriolanus*; *Julius Caesar*; *Macbeth*; *Hamlet* (if not chosen for intensive study).

GROUP III—Prose Fiction: Malory, *Morte d'Arthur* (about 100 pages); Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe, *Robinson Crusoe*, Part I; Goldsmith, *Vicar of Wakefield*; Frances Burney (Madame d'Arblay), *Evelina*; Scott's novels, any one; Jane Austen's novels, any one; Maria Edgeworth, *Castle Rackrent* or *The Absentee*; Dickens' novels, any one; Thackeray's novels, any one; George Eliot's novels, any one; Mrs. Gaskell, *Cranford*; Kingsley, *Westward Ho!* or *Hereward the Wake*; Reade, *The Cloister and the Hearth*; Blackmore, *Lorna Doone*; Hughes, *Tom Brown's School Days*; Stevenson, any one; Cooper's novels, any one; Poe, *Selected Tales*; Hawthorne, any one; a collection of short stories by various standard writers.

GROUP IV—Essays, Biography, Etc.: Addison and Steele, *The Sir Roger de Coverley Papers*, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell, selections from the *Life of Johnson* (about 200 pages); Franklin, *Autobiography*; Irving, selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey, *Life of Nelson*; Lamb, selections from the *Essays of Elia* (about 100 pages); Lockhart, selections from the *Life of Scott* (about 200 pages); Thackeray, lectures on *Swift*, *Addison*, and *Steele* in the *English Humorists*; Macaulay, any one of the following essays: *Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederick the Great*, *Madame d'Arblay*; Trevelyan, selections from the *Life of Macaulay* (about 200 pages); Ruskin, *Sesame and Lilies*, or *Selections* (about 150 pages); Dana, *Two Years before the Mast*; Lincoln, *Selections* including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman, *The Oregon Trail*; Thoreau, *Walden*; Lowell, *Selected Essays* (about 150 pages); Holmes, *The Autocrat of the Breakfast Table*; Stevenson, *An Inland Voyage and Travels with a Donkey*; Huxley, *Autobiography* and selections from *Lay Sermons*, including the addresses on "Improving Natural Knowledge," "A Liberal Education," and "A Piece of Chalk"; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of *Letters* by various standard writers.

GROUP V—Poetry: Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith, *The Traveller* and *The Deserted Village*; Pope, *The Rape of the Lock*; a collection of English and Scottish ballads, as for example, "Robin Hood" ballads, "The Battle of Otterburn," "King Estmere," "Young Beichan," "Bewick and Grahame," "Sir Patrick Spens," and a selection from later ballads; Coleridge, *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron, *Childe Harold*, Canto III or Canto IV, and *Prisoner of Chillon*; Scott, *The Lady of the Lake*, or *Marmion*; Macaulay, *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson, *The Princess* or *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur*; Browning, "Cavalier Tunes", "The Lost Leader", "How They Brought the Good News from Ghent to Aix", "Home Thoughts from Abroad", "Home Thoughts from the Sea", "Incident of the French Camp", "Herve Riel", "Pheidippides", "My Last Duchess", "Up at a Villa—Down in the City", "The Italian in England", "The Patriot", "De Gustibus—" "The Pied Piper", "Instans Tyrannus"; Arnold, *Sohrab and Rustum* and *The Forsaken Merman*; selections from American poetry with special attention to Poe, Lowell, Longfellow, and Whittier.

HISTORY OF ENGLISH AND AMERICAN LITERATURE. 1 unit.
Applicants for admission may present one unit in the history of English literature, or in the history of English and American literature, provided that this is in addition to the required units in English. Textbooks may be used for this work, but they should be accompanied by chronological readings from the literature itself. A study of the principles of composition and the application of them in theme-writing must be included in this unit.

ADVANCED STUDY OF THE CLASSICS. 1 unit. In addition to the units of required work in the reading and study of English classics, as outlined above, students may offer one unit representing advanced work in the study of literature corresponding to the fourth year's work of the standard high school. This is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for this study are arranged in four groups, from each of which one selection is to be made. A study of the principles of composition and the application of them in theme-writing must be included in this unit. The following is the list of books from which selection may be made:

GROUP I—Drama. Shakespeare: *Julius Caesar*, *Macbeth*, *Hamlet*.

GROUP II—Poetry. Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III—Oratory. Burke's *Speech on Conciliation with America*; Macauley's *Speech on Copyright*; Lincoln's *Speech at Cooper Union*; Washington's *Farewell Address*; Webster's *First Bunker Hill Oration*.

GROUP IV—Essays. Macauley's *Life of Johnson* or *Essay on Milton*; Carlyle's *Essay on Burns*.

MATHEMATICS

2 units required. All candidates for admission to the College are required to present two units in mathematics as follows:

(a) **ALGEBRA.** 1 unit. The work should include the following subjects: Addition, subtraction, multiplication, division, equations of the first degree with one unknown number, simultaneous equations of the first degree, factors, highest common factor, lowest common multiple, quadratic equations, simultaneous equations above the first degree, elementary theory of indices and radicals.

(b) **GEOMETRY.** 1 unit. This may be a combination course consisting of about 180 propositions of which 45 must be in solid and spherical geometry. It represents a year's work, or it may be a more extensive and intensive course of a year in plane geometry. This will count one unit.

In addition to the two required units described above, a student may present for entrance any of the following, provided his total credit in mathematics does not exceed 4 units:

(a) An additional half year of algebra. The work should cover the following subjects: Simultaneous quadratic equa-

tions; ratio, proportion and variation; graphical representation of simple relations between two variables; binomial theorem for positive integral exponents; logarithms, including use of tables in simple numerical work; first arithmetical and geometrical progressions.

(b) A half year of solid geometry following a year of plane geometry. This will count $\frac{1}{2}$ unit. When one-half year of solid geometry is presented in addition to fifteen other units of high school work required for entrance, two hours of advanced College Credit will be given.

(c) A half year of trigonometry. This will count $\frac{1}{2}$ unit.

FOREIGN LANGUAGES

GREEK. Candidates for admission may offer 1 or 2 units of Greek, as follows:

ELEMENTARY GREEK. 1 unit. This represents a year's work in some good elementary book, such as Goodwin's or White's. The course should afford the student such a knowledge of the fundamentals of the Greek language as will enable him to read the Anabasis with profit. Much attention should be paid to composition.

ANABASIS. 1 unit. In addition to the year's work outlined above the candidate may offer a year's work in Xenophon's Anabasis, accompanied by a study of Greek grammar and composition.

LATIN. 1, 2, 3, or 4 units of Latin may be offered, as follows:

BEGINNER'S LATIN. 1 unit. A year's work in some standard text for beginners, such as D'Ooge's Latin for Beginners. The course should afford the student such thorough drill in the fundamentals of the Latin language as will fit him to read Caesar to advantage. Much attention should be paid to composition, both oral and written.

CAESAR. 1 unit. A second year's work in Latin may be offered. It should consist of the thorough reading of four books of Caesar's Gallic Wars, together with systematic drill in Latin grammar and composition.

CICERO. 1 unit. This is the work of the third year in the standard high school. It includes the careful reading and study of the four Orations against Catiline, the Oration for the Manilian Law, and the Oration for the Poet Archias.

Work in Latin grammar should be continued with frequent practice in composition.

VIRGIL and OVID. 1 unit. In addition to the three years' work in Latin as outlined above, the candidate may present a fourth year's work, including the reading and study of six books of Virgil's *Aeneid*, and selections from Ovid. This fourth year's work should afford much practice in sight reading. The work in Latin grammar and composition should be continued throughout the fourth year.

GERMAN. 1, 2, 3, or 4 units may be offered in German, as follows:

ELEMENTARY GERMAN. 1 unit. This represents the work of the first year in the standard high school, with especial emphasis on the elements of grammar, pronunciation, and simple composition. Reading of easy prose. A working vocabulary for the second year of German should be acquired. The student should be able to take simple dictation. If Bacon's *German Grammar*, for example, is used the student should master the text as far as "Passive Voice" and should translate in the reader at least 100 pages.

SECOND YEAR GERMAN. 1 unit. This requires the ability to pronounce and to translate at sight simple German prose, to put easy English sentences into German and to carry on a very simple conversation upon the texts set for translation. The elementary grammar work should be completed, and applicants should have read at least 200 pages of easy German, chiefly modern narrative prose, but including some simple poems and one or two short plays. The work should include both oral and aural training; also dictation and memorizing of short passages.

THIRD YEAR GERMAN. 1 unit. For a third unit in German the candidate should have read from 300 to 400 pages of moderately difficult prose and poetry not read in the previous years, with constant practice in oral and written composition based upon the texts read. Work in German grammar should be continued throughout the third year.

FOURTH YEAR GERMAN. 1 unit. In addition to the work outlined above, the candidate may present a fourth year of German. He should have read from 400 to 500 pages of standard literature in prose and verse. He should be able to translate at sight any ordinary German text, to write a brief German essay, or to follow a recitation conducted in German.

FRENCH. 1, 2, 3, or 4 units may be offered in French, as follows:

ELEMENTARY FRENCH. 1 unit. This represents the work of the first year in the standard high school, with especial emphasis on the elements of grammar, pronunciation, and simple composition. If Fraser and Squair, Shorter French Course, for example, is used, the year's work should comprise the first 38 lessons. Reading of easy prose. A working vocabulary for the second year of French should be acquired.

SECOND YEAR FRENCH. 1 unit. The grammar should be completed, giving a thorough foundation for the further study of the language. Composition and simple dictation. Reading of not less than 500 pages of simple French, with much attention to pronunciation and oral work based on the texts read.

THIRD YEAR FRENCH. 1 unit. The third year's work in French should consist in the reading of 600 pages in advance of the first two years, preferably chosen from the nineteenth century authors, with much work in oral and written composition.

FOURTH YEAR FRENCH. 1 unit. The candidate offering a fourth unit should be able to read at sight with considerable ease, write short reports in French, and understand a simple lecture delivered in the language. Familiarity with the outline of French history and literature is essential.

SPANISH. 1 or 2 units may be offered in Spanish, as follows:

ELEMENTARY SPANISH. 1 unit. A year's work offered in Spanish should comprise the completion of some good grammar, simple composition, and the reading of 175 pages of graded prose texts.

SECOND YEAR SPANISH. 1 unit. This should include grammar review by means of some standard composition book, Crawford, or Waxman, *A Trip to South America*; 500 pages of novels and plays of the nineteenth century; much oral work based on texts read. Representative works would be Selgas, *La Mariposa Blanca*; Alarcón, *El Sombrero de Tres Picos*; Valera, *El Comendador Mendoza*; S. and J. Álvarez Quintero, *Doña Clarines*.

HISTORY

A candidate for admission may offer 1, 2, 3, or 4 units in history. The units are counted as follows:

ONE YEAR'S WORK IN ANCIENT HISTORY. 1 unit. The work should include all of some good text, such as West's

Ancient History, Morey's Histories of Rome and Greece, Wolfson's Essentials in Ancient History, or Myer's Ancient History.

ONE YEAR'S WORK IN MEDIEVAL AND MODERN HISTORY. 1 unit. The work should include all the text in such a book as Bourne's Medieval and Modern History, or Robinson and Beard's Outlines of European History.

ONE YEAR'S WORK IN MEDIEVAL AND ENGLISH HISTORY. 1 unit. The work should include all the text in such books as Munro's Medieval History, and Coman and Kendall's History of England for Schools.

ONE YEAR'S WORK IN ENGLISH HISTORY. 1 unit. In this subject a general knowledge of the social and political development of England is expected of the student. This applies particularly to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

ONE YEAR'S WORK IN UNITED STATES HISTORY. 1 unit. The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution and the general history subsequent to that event.

CIVICS AND ECONOMICS

A year's work in Civics may be counted as 1 unit. It should include a knowledge of the relationship existing between subordinate and higher political units, together with a description of the chief functions performed by the institutions of the various political units.

Half a year's work in Economics, including a knowledge of the fundamental principles of economic science as presented in a good elementary treatise on the subject, may be counted as one unit.

Half a year's work in Civics and half a year's work in Economics may be counted as one unit.

Half a year's work in Civics may be added to a year's work in United States History, making $1\frac{1}{2}$ units.

SCIENCE

BOTANY. 1 unit. The year's work in botany necessary for one unit includes the elements of plant structure and physiology, and the life history of types of plants representative of the great plant groups. The work on plant structure and physiology should comprise studies of the root, stem, and leaves of the higher plants. At least two-thirds of the course should consist of laboratory work.

Where it is not possible to give a full year's work to the subject, botany may be combined with physical geography and physiology in the construction of units.

PHYSICAL GEOGRAPHY. 1 unit. Students who present physical geography as one of the entrance-units should have completed a course in a standard text-book, such as Davis', Tarr's or Salisbury's. Work in Meteorology is not required, but a knowledge of the chief topographical maps is necessary, and an elementary knowledge of field methods is desirable.

PHYSIOLOGY. $\frac{1}{2}$ unit. The candidate should have received instruction in anatomy, histology, and physiology of the human body, also the essentials of hygiene. The work required in physiology is such as is outlined in Martin's *The Human Body, Briefer Course*. The text-book work should, of course, be illustrated by charts and models, and, whenever practical, anatomical demonstrations and chemical experiments should be made.

ZOOLOGY. 1 unit. The candidate who offers zoology as a subject for entrance should have completed the work in one of the standard text-books, such as Needham's, Colton's, Jordan's, Kellogg's, or Linville and Kelly's. Two thirds of the course should have consisted of laboratory work.

CHEMISTRY. 1 unit. A year's work in chemistry may be offered. The work required is indicated by Newell's *Descriptive Chemistry*. The student should devote about two-thirds of the time to laboratory work. Two laboratory periods are considered as equivalent to one class exercise. A record of all the work done in the laboratory should be kept in a note-book. The theories of chemistry, its laws, and history should be emphasized, together with the solution of problems.

When a year of chemistry is presented in addition to fifteen other units of high school work required for entrance, five hours of advanced College Credit will be given, provided the student's note book is approved by the department of chemistry at the College.

PHYSICS. 1 unit. The candidate may offer a year's work in physics, which must include both class-room work and laboratory practice. Three periods a week should be devoted to class-room work with a text-book, and at least four hours a week should be given to actual work in the laboratory. A careful record should be kept in a note-book of all work done in the laboratory. The extent of the work in physics is indicated by any of the standard texts, such as Gage's, Carhart and Chute's, Linebarger's, or Milliken and Gale's.

VOCATIONAL SUBJECTS

Four units may be offered from the following list of vocational subjects, provided the equipment for teaching these subjects and the efficiency of instruction in the school from which the candidate comes is such as to meet the approval of the College.

AGRICULTURE: Plant Production, Agricultural Chemistry and Soils, 1 or 2 units according to whether the subject has been pursued one or two years.

COMMERCIAL WORK: One or two years of book-keeping, 1 or 2 units; one or two years of Stenography and Typewriting, 1 or 2 units; one-half year of Commercial Arithmetic, $\frac{1}{2}$ unit; one-half year of Commercial Law, $\frac{1}{2}$ unit; one-half year of Commercial Geography, $\frac{1}{2}$ unit.

DOMESTIC SCIENCE: One or two years of Food Study, 1 or 2 units; one or two years of Textiles and Clothing, 1 or 2 units; one year of House Problems, 1 unit.

MANUAL ARTS. One, two, three, or four years of Mechanical Drawing and Shopwork, 1, 2, 3, or 4 units; Freehand Drawing and Design, one or two years, 1 or 2 units.

ADMISSION BY CERTIFICATE

On recommendation of the principal of the high school, with his certificate showing that the student has successfully completed the courses required for entrance, graduates of any Wisconsin high school on the accredited list, will be admitted to the freshman class without examination. The list of accredited schools in Wisconsin from which students will be admitted upon certificate of the principal of the school, is the same as that of the University of Wisconsin. Further information concerning these schools will be furnished upon application to the College authorities.

Students are also admitted upon certificate from the following classes of preparatory schools:

1. Schools accredited by the North Central Association of Colleges and Secondary Schools.
2. Schools accredited as a result of personal inspection and approved by the Faculty of the University of Wisconsin.
3. Schools outside of Wisconsin which have been accredited by Universities and Colleges of recognized standing. Students from such accredited schools are accepted upon certificate, provided their preparatory course meets with the conditions of entrance outlined above.

The certificates of the work done in the preparatory school should be made out on blanks which will be furnished on application, by the Dean of the College. They should be forwarded to the Dean before the opening of the college year. Students will not be registered until the certificate is presented.

REGISTRATION

Monday and Tuesday, September 23 and 24, are registration days. The registration office is open from nine till twelve and from one-thirty till five. All students are expected to register on one of these days. For registration after this date, or for change of registration, a fee of one dollar is charged. After three weeks of a semester have passed, no change in registration can be made without the consent of the Registrar and the instructor under whom the course is given, and a study which is dropped without such consent is recorded as a failure.

No credit is given for any work not regularly registered in advance. Application for advanced credit for work taken before entering the College must be made within one year of the time of entrance.

All entrance conditions must be included in the work of the first year.

A new student goes first to the office of the Dean of the College where he matriculates and receives a card on which is recorded his total entrance credits. This card he then presents to the Registrar, who in person makes out the student's course of study or directs a member of the Curriculum Committee to do so. The registration is not complete until the registration blank, properly

signed and approved by the Registrar, has been taken to the Cashier's office and the bill paid. In case it is impossible to pay the registration bill at once arrangements for future payment must be made at once with the Dean. Upper classmen are required to have their registration forms signed by their major professors.

ADVANCED STANDING

If the student applying for entrance to College can present more than the fifteen units required, he may in some cases be granted advanced standing in the extra studies presented, either by examination or on recommendation of the head of the department in which advanced credits are sought, or as the result of inspection and acceptance by the College of the work in the preparatory school in which the courses were taken. For advanced credit in science, laboratory note-books should be presented. The subjects for which students usually receive advanced credit are: foreign language, chemistry, and solid geometry.

Students who have taken part of the college course in other institutions of approved rank are admitted to advanced standing on the basis of satisfactory credentials of character and scholarship.

ADVANCED STANDING FROM NORMAL SCHOOLS

Graduates of Normal Schools in Wisconsin, who apply for advanced standing at Ripon College, will be granted advanced credit as follows:

1. TWO-YEAR COLLEGE COURSE IN NORMAL SCHOOLS.

Graduates from the college courses of the Normal Schools can secure Junior rank in Ripon College, provided such students when they entered the Normal School were fully prepared to enter the Freshman class at Ripon College.

2. TWO-YEAR PROFESSIONAL COURSES IN NORMAL SCHOOLS FOR HIGH SCHOOL TEACHERS AND SUPERINTENDENTS.

Graduates from the two-year professional courses in the Normal Schools, which are designed for High School teachers, superintendents and principals, can secure Junior rank and a maximum of fifty-six hours of advanced credit at Ripon College, provided that:

- a. The Professional Normal Course was preceded by a preparatory course which met the full requirements for admission to Ripon College.
 - b. The electives of the professional courses were similar to those offered in the first two years of the college course at Ripon.
3. TWO-YEAR PROFESSIONAL COURSES FOR PRIMARY AND GRADE TEACHERS.

Graduates from professional courses for Primary and Grade teachers, who have conformed to the requirements, a and b, under 2 above, may receive a maximum of 36 hours of advanced credit at Ripon College.

4. STUDENTS WHO HAVE GRADUATED FROM THE LATIN OR GERMAN COURSE.

Such students will be given 62 units of the 124 required for graduation from Ripon College, under conditions similar to those outlined above for two-year courses.

5. THREE-YEAR PROFESSIONAL AND COLLEGE COURSES OF NORMAL SCHOOLS.

Graduates from the three-year professional courses of the Normal Schools in Wisconsin will receive additional advanced credit at Ripon College under conditions similar for those outlined for two year courses.

Graduates of Normal Schools outside of Wisconsin, who have met the above requirements for Normal Schools in Wisconsin, will receive a similar amount of credit.

RIPON COLLEGE AND THE STATE UNIVERSITY

Ripon College and the University of Wisconsin have practically the same entrance requirements and the same list of accepted schools. Students who migrate from either institution to the other will be given the rank of sophomores or juniors, if they change at the end of the first or second year of their work. It is not deemed advisable by either institution, for students to migrate at the end of the junior year; but where such cases occur, they will be dealt with on their indi-

vidual merits. The following statement from the President of the University will indicate the arrangement between the University and Ripon College:

"I am glad to state that Ripon College is one of the institutions in the state of Wisconsin with which the University has special relations. By agreement the entrance requirements of Ripon College are the same as for the University. We accept work done by students in the first and second years at Ripon College as entitling such students to Junior rank at the University. From there a number of students have come to the University as graduate students and they have made excellent records.

"Also there has been co-operation between Ripon College and the University in extension work and in arranging courses in Ripon for students who wish to come to the University for study in professional and technical subjects."

The arrangements suggested by this letter from the president of the State University applies to all students who are planning to take advanced courses in Agriculture, Commerce, Engineering, Law, Library, or Medicine.

Students who have completed the first three years of work leading to the A. B. or the Ph. B. degree may substitute for the senior year's work at Ripon the first year of a professional or technical course in the University.

Requirements for Graduation

REQUIRED CREDITS

The requirement for graduation is one hundred and twenty (120) semester hours of credit in college courses and a satisfactory thesis on an approved topic connected with the major subject, or one hundred and twenty-four (124) semester hours of credit without thesis. The unit of measure, a semester hour, is one hour recitation or lecture, or one two-hour laboratory period per week for one semester. A course which meets four hours per week for one semester gives four (4) hours' credit. Regular work for freshmen is fifteen or sixteen hours per week. For all others it is from fifteen to eighteen hours.

The occasional student who desires to carry more than regular work must have maintained, during the preceding semester, a grade of C, and obtain faculty permission. A fee of \$2.50 an hour will be charged for all work above sixteen hours.

SELECTION OF STUDIES

In the selection and arrangement of studies, the student has considerable freedom, but his choice is in part limited by the following general requirements.

COURSE LEADING TO THE DEGREE OF A. B.

A student who enters this course without having had foreign language in high school is required to complete thirty-two hour-credits in at least two and in not more than three languages before graduating. All these credits apply towards the degree.

FRESHMAN YEAR

The regular work of the freshman year is four subjects, each continued throughout the year. English Composition is required of all, and three subjects must be chosen from the following:

Bible
Biology
Chemistry
French
German

Greek
History
Latin
Mathematics
Spanish

SOPHOMORE YEAR

In the sophomore year any of the subjects open to freshmen may be elected. The required subjects not already completed should be included in the work of this year. Other electives open to sophomores are the following:

Archaeology	Biology
English Composition	Chemistry
English Literature	Debating
French	Economics
German	History
Greek	Law
Latin	Mathematics
Library Science	Philosophy
Sociology	Physics
Spanish	Public Speaking

JUNIOR AND SENIOR YEARS

By the time the student has reached the junior year, he is ready to select a subject in which to do advanced, cumulative work. This subject is called the student's major subject, and must include at least twenty hours' work in one of the following departments: Philosophy, Education, Greek, Latin, Romance Languages, German, English, History, Economics, Mathematics, Biology, Chemistry or Physics, Music.

Courses ordinarily open to freshmen are not counted toward the major. Exclusive of freshman courses, not more than twenty-eight hours of work in any one department will be counted toward a degree.

To secure breadth of training, the courses of study offered by the departments of the College have been arranged in four groups. The major subject will lie in one of these groups. In each of the other three, the student must select a minor or year course in one department. These minors are in addition to the courses required of all students.

The four groups from which the student selects his major and three minor subjects are as follows:

1. Language, Literature, Music.

Departments: Greek, Latin, German, Romance Languages, English, Education, Music, Public Speaking, Debate, Archaeology, Bible.

2. Natural Sciences.

Departments: Biology, Chemistry, Physics.

3. History, Political and Social Sciences.

Departments: History, Economics, Political Science, Sociology.

4. Philosophy and Mathematics.

Departments: Philosophy, Mathematics.

The group system readily adapts itself to the individual, by permitting a wide latitude in the choice of studies. At the same time, the importance of making a careful choice, under the best advice, cannot be emphasized too strongly. As some courses are given only in alternate years, and because of possible conflicts in the hours of recitation, the general plan of the student's work for the remainder of the course should be made by the beginning of the sophomore year. It is important that the courses should be planned as a whole with a definite end in view; and when once planned the student should not allow himself to be diverted from it for any but the most serious reasons.

The requirements for graduation from the A. B. course may be summed up as follows:

I. English Composition, eight hours, including Composition C1.

II. Foreign language, thirty-two semester hours.

1. Towards this requirement high school work on the basis of four college hours for each high school unit up to the amount of six units, will be accepted. In general, students are required to take a minimum of eight hours of one foreign language in the College. Any student, however, who presents more than six units for entrance will be allowed to count the additional unit or units toward the total requirements of thirty-two hours, provided he passes a special examination given by the College, upon four units of his high school work in one language.

2. Students must have at least four units of high school work or sixteen hours in College in one language, or the equivalent in combined high school and College work in one language.

3. Similarly, students must have at least two high school units or eight College hours in a second language.

4. One high school unit in language will be accepted only in case the student successfully continues this language in College for at least one semester.

III. A year course in each of the four groups of studies outlined above and an additional amount of work in one of the four groups to constitute the major subject.

IV. Free election to make the total of one hundred and twenty hours required for graduation, or one hundred and twenty-four hours without thesis.

The degree of Bachelor of Arts is conferred upon all who complete the course as outlined above.

COURSES LEADING TO THE DEGREE OF PH. B.

The prescribed studies for the degree of Ph. B. are as follows:

I. English composition, eight semester hours, including Composition C1 in the freshman year.

II. Science and mathematics. A total of 20 semester hours to be taken in year courses.

III. Two of the following groups:

A. Philosophy or Mathematics, 10 semester hours. Mathematics may not be offered both here and under II. above.

B. History, 10 semester hours.

C. Foreign language, 14 semester hours. Not more than 8 of these may be in a beginner's course.

FRESHMAN YEAR

The studies of the freshman year are in general required, as they are in the A. B. course. The same studies are open to freshmen in the Ph. B. course as to those in the A. B. course and on the same terms. Students may readily take the following combinations, in which the numbers represent the number of credits per semester.

I. Without foreign language.

A. English Composition, 3; English Literature, 3; History, 4; Science, 5.

B. English Composition, 3; History, 4; Mathematics, 3; Science, 5.

C. English Composition, 3; English Literature, 3; Bible, 2; History, 4; Mathematics, 3.

II. With foreign language:

A. English Composition, 3; Language, 4; History, 4; Science, 5.

B. English Composition, 3; Language, 4; History, 4; Mathematics, 3.

C. English Composition, 3; Language, 4; Mathematics, 3; Science, 5.

D. English Composition, 3; Language, 4; History, 4; English Literature, 3; Bible, 2.

Students who may elect as indicated in Group II. will be in line, if they choose to do so, to go on toward the A. B. degree instead of the Ph. B. They may continue foreign language in the sophomore year, and offer it as part of the prescribed credits for the Ph. B. degree, or the study may be discontinued. In the latter case the student will need to offer 10 credits in philosophy or mathematics, and 10 in history. Students may elect two foreign languages, but such students will naturally enter the A. B. course.

The following sciences are open to election by freshmen as part of the prescribed studies: Botany, Zoology, Chemistry, Physics.

The following courses in history are similarly open to election by freshmen: Mediaeval History, Modern History. These are four hour-credit courses.

The following foreign languages are similarly open to election by freshmen: Greek, Latin, German, French, Spanish. But French or Spanish may be elected only when the student has had two years of Latin in high school.

HONOR CREDITS

In addition to the 124-hour credits necessary for graduation, each student must earn at least 124 honor credits, or an average mark in all subjects of C or higher.

Class standings are indicated by letters. A, B, C, and D are passing grades. For a grade of A in a given course, the student will receive three times as many honor credits as there are hour credits in the course; for a grade of B, twice as many honor credits; and for a grade of C, as many honor credits as hour credits. For example: A four-hour course in which the student's mark is A, gives twelve honor credits; if the grade is B, eight honor credits; and if C, four honor credits.

THE GROUP SYSTEM

The following courses illustrate the working of the group system, and will guide the student in arranging his own work.

PHILOSOPHY

This is a conservative course for the purpose of classical culture, drawn upon lines approved by the longest experience of American colleges. By a judicious use of the elective privilege, a fair balance can be preserved between the humanistic and the scientific disciplines for the purposes of culture and professional life.

The course serves also as a pre-theological course, when electives are chosen with this in view. It is possible for graduates of good rank to secure one year of advanced credit in leading theological seminaries, upon recommendation of the faculty. This course presupposes at least four language units of entrance credit. It must include at least one year of a laboratory science, and two are recommended.

First Year

English, an ancient language, a modern language. Mathematics or History.

Second Year

An ancient language, a modern language, a science, History or Economics, Logic, Psychology.

Third Year

Philosophy 1, 2 (four hours), Philosophy 3, 4 (three hours), Education (5, 7, or 9), Ethics or Bible. History.

Fourth Year

Philosophy 13, 14 (three hours), Sociology, Education (5, 7, or 9), History or Political Science.

LANGUAGE-LITERATURE

Many combinations of language and literature courses are possible, varying with the special interest of the student, whether it is in the Ancient Classics, Romance Languages, German, or English. One such group, typical of them all, is given below. The course outlined covers with some completeness the literature, history, and civilization of Europe.

First Year

English C1, three hours; Greek or Latin, four hours; French or Spanish, or German, four hours; Science, four hours.

Second Year

First semester. English, three or four hours; Greek or Latin, three hours; French or Spanish or German, three hours; History 6, four hours; Philosophy 1, four hours. Second semester. English, three or four hours; Greek or Latin, three hours; French or Spanish or German, three hours; History 8, four hours; Archaeology 1, two hours.

Third Year

First semester. English, three or four hours; Greek or Latin, or French or Spanish or German, three hours; Archaeology 1; Major subject, three to five hours. Elective. Second semester. English, three or four hours; Greek or Latin, or French or German, three hours; Major subject, three to five hours; Psychology, four hours.

Fourth Year

First Semester. English, three or four hours; Greek or Latin, or French or Spanish or German, three hours; Major sub-

ject, three to five hours; Education, four hours; Classical Literature 7, three hours. Second Semester. English, three or four hours; Greek or Latin, or French or Spanish or German, three hours; Major subject, three to five hours. Education, four hours. Electives.

HISTORY-ECONOMICS

First Year

First semester. Ancient or Medieval History, four hours; English C1, three hours; Foreign Language, four hours; Mathematics 1, three hours. Second semester. Ancient or Modern History, four hours; English C1, three hours; Foreign Language, four hours; Mathematics 2, three hours.

Second Year

First semester. Medieval or Ancient History, four hours; English, three hours; Foreign Language, three hours; Economics, four hours. Second semester. Modern or Ancient History, four hours; English, three hours; Foreign Language, four hours; Economics as offered, four hours.

Third Year

First semester. English Political and Constitutional History, four hours; United States History, four hours; Physics 1, five hours; Political Science, four hours. Second semester. English Political and Constitutional History, four hours; United States History as offered, four hours; Science; Elective.

Fourth Year

First semester. Economics as offered; Advanced English Composition; History; Elective. Second semester. Economics as offered; Advanced English Composition; History; Elective.

BIOLOGY-CHEMISTRY

In this group the natural sciences form the basis of instruction, being supplemented by courses in modern languages, History, Political Economy and Mathematics. In the later years the student may continue the study of science or he may devote his attention to modern languages and history.

First Year

Chemistry or Biology; French or German; English Composition; Mathematics.

Second Year

English Literature or Composition; German or French; Chemistry; Biology; Mathematics.

Third Year

Physics; History; Political Economy; Chemistry or Biology.

Fourth Year

Philosophy; Two Sciences; Electives.

MUSIC

The purpose of this course is to afford opportunity to the college student to gain some insight into the science and history of music and to give him the advantage of some practical music courses in Piano, Violin, or Voice, and at the same time take the college course leading to the A. B. degree. Twenty semester hours of music credit is given towards this degree. The first two years are mainly prescribed; the last two are partially prescribed and partially elective.

First Year

English Composition, four hours; Modern Languages, either French or German, four hours; History, Medieval (first semester), four hours; Modern (second semester), four hours; Harmony and Ear Training, three hours.

Second Year

Mathematics, four hours; English Literature or Modern Language, four hours; Electives in College, five hours; Analysis and Counterpoint, two hours.

Third Year

History of Music, two hours; Appreciation of Music, one hour; Practical Music, one hour; Electives in College, six hours; Science, five hours.

Fourth Year

Practical Music, one hour; Electives in College, ten hours; Education, four hours.

A thesis on a given subject in the History of Music is required in the senior year for the completion of the course in music.

MATHEMATICS-PHYSICS

The Mathematics-Physics course is arranged to present not only a thorough and continuous study of mathematics and physics, but also a broad and liberal outline of collegiate work. In this respect the course is well adapted to students who are desirous of becoming teachers in these subjects, or are contemplating graduate work, and also conforms to the needs of those who want the course, wholly as a matter of general training.

First Year

First semester. Chemistry; German or French; English Composition; Algebra. Second semester. Chemistry; German or French; English; Trigonometry.

Second Year

First semester. Analytic Geometry; Differential Calculus; Physics; German or French; English Literature. Second semester. Analytic Geometry; Integral Calculus; Physics; German or French; Advanced English Composition.

Third Year

First semester. Advanced Calculus; Heat; Economics or History; Elective: Quantitative Chemistry or Biology. Second semester. Differential Equations; Light; History or Economics; Elective: Chemistry or Biology.

Fourth Year

First semester. Mechanics; Physics; Psychology; Electives: Philosophy, Education. Second semester. Mechanics; Physics; Logic and Metaphysics; Education.

Pre-Professional Courses

The courses of study which are given on the following pages, have been arranged, after consultation with the University of Wisconsin and the University of Chicago, to meet the requirements of professional courses.

It should be noted, moreover, that each is a well-rounded course of study, and meets the college requirements. In planning his college work, the student is advised to consult these courses, and also his faculty adviser or the registration committee.

AGRICULTURE

The following course of study has been arranged for students who expect later to enter a school of agriculture.

Freshman Year

English Composition, C1.

Biology, 1-2, or Chemistry, 1-2.

German, 1-2, or French, 1-2, or Spanish, 1-2.

Mathematics, 1-2.

Sophomore Year

Biology, 1-2 or 3-9.

Chemistry, 1-2 or 3-4.

German, 1-2, or French, 1-2, or Spanish, 1-2, or Latin.

Physics, 1-2.

Junior and Senior Years

The work of these years will vary with the tastes of the student, and will in part be determined by the particular school which he proposes to enter. The student should arrange his work only after careful advice, in order that the college course may be correlated as fully as possible with the work of the professional school. His program will include advanced courses in Biology and Chemistry, and electives chosen from the following list:

English Composition.

English Literature.

Economics.

Education.

History.

Physics.

Philosophy.

MEDICINE

The following course of study in preparation for medicine has been outlined for Ripon College by Dean Bardeen of the Medical School of the University of Wisconsin.

Freshman Year

Chemistry, 1-2; English Composition, 1-2; Latin, 1-2, (If no Latin was taken in high school); German or French, (If Latin was taken in high school); Mathematics, 1-2.

Sophomore Year

Biology, 1-2; Chemistry, (Organic or $\frac{1}{2}$ Organic and $\frac{1}{2}$ Quantitative); German, 1-2 or French, 1-2; Physics, 1-2.

Junior Year

Biology, (advanced) or Chemistry (advanced); English Composition; Literature or History; French or German; Philosophy and Psychology.

Senior Year

Biology (advanced); Chemistry (advanced); Economics; English Composition or Foreign Language.

ENGINEERING

The Pre-Engineering Group is intended to meet the needs of those students who wish to secure a thoroughgoing foundation for advanced study in engineering. It is hoped, therefore, that after graduation most of those who pursue this group of studies will desire to carry on their work at the University of Wisconsin or elsewhere. The agreement below has consequently been entered into by the University and Ripon College.

Graduates of Ripon College, who have followed the course outlined as the Pre-Engineering Group of studies, will be graduated from the various engineering courses leading to the degree of Bachelor of Science in two additional years; provided that students in civil engineering can make arrangements to complete the sophomore surveying before entering the University. (This may be done in the University Summer School.) See University of Wisconsin Catalogue for 1915-16, page 107.

Note. The course as outlined, gives eighteen hours' work per week for freshmen, while the regular work is but fifteen or sixteen hours. This course may be made to conform to the general plan, by deferring the course in Mechanical Drawing

until the sophomore year. The student who undertakes eighteen hours' work, will be required to comply fully with the honor credit rule, or reduce the amount of work.

First Year

First semester, English, three hours; German or French or Spanish, four hours; Chemistry, five hours; Algebra, three hours; Mechanical Drawing, three hours. Second semester. English, three hours; German or French or Spanish, four hours; Chemistry, four hours; Trigonometry, three hours; Mechanical drawing, three hours.

Second Year

First semester. Analytical Geometry, two hours; Differential Calculus, three hours; General Physics, five hours; ¹Quantitative Analysis, four hours; Descriptive Geometry, three hours; Electives: French or Spanish or German, three hours; Composition, three hours; English Literature, four hours. Second semester. Analytical Geometry, two hours; Integral Calculus, three hours; General Physics, five hours; ¹Analytical Chemistry, four hours; Electives: German or French or Spanish, three hours; English Composition, three hours.

Third Year

First semester. Advanced Calculus, three hours; ²Organic Chemistry, five hours; Suggested Electives: Biology, four hours; Economics, four hours; Logic, two hours; Education, four hours; Public Speaking, two hours; Second semester. ³Differential Equations, three hours; ²Physical Chemistry, three hours; Suggested Electives: Botany, three hours; Economics, four hours; Ethics, two hours; Education, four hours; Heat, four hours; Public Speaking, two hours.

Fourth Year

First semester. Theoretical Mechanics, three hours; ³Bacteriology, five hours; ⁴Electricity and Magnetism, three hours; Suggested Electives: History, four hours; Advanced Chemistry, four hours; Philosophy, four hours; Sociology, four hours. Public Speaking, two hours. Second semester. ⁴Electrical Measurements, two hours; Suggested Electives: History, four hours; Philosophy, four hours; Psychology, four hours; Theoretical Mechanics, three hours; Public Speaking, two hours.

1. Required of Chemical and Mining Engineers.

2. Either Organic or Physical Chemistry is recommended for Mechanical Engineers.

3. Required of those desiring to specialize in Sanitary Engineering.

4. Required of Electrical Engineers.

LAW

Students entering the profession of Law, are urged to complete a full four-year course in college. The following course meets the requirements for a bachelor's degree, and at the same time outlines what is believed to be best adapted to meet the needs of law students.

First Year

First semester. Algebra, three hours; English, three hours; Latin or Greek or German or French, four hours; Medieval History, four hours. Second Semester. Trigonometry, three hours; English, three hours; Latin or Greek or German or French, four hours; Modern History, four hours.

Second Year

First semester. English Composition, three hours; Latin or Greek or German or French, three hours; English Political and Constitutional History, four hours; Economics 1, four hours; Science, four hours. Second semester. Exposition, three hours; Latin or Greek or French or German, three hours; English Political and Constitutional History, four hours; Economics as offered, four hours; Science, four hours.

Third Year

First semester. Physics, five hours; Foreign Language, three hours; American Constitutional History or Political Science 1, three hours; Teachers' English, one hour; Economics, four hours; Public Speaking, three hours. Second semester. Physics, five hours; Foreign Language, three hours; American Government and Politics or International Law, three hours; Teachers' Composition, one hour; Public Speaking, three hours; Economics as offered, four hours.

Fourth Year

American Constitutional History or Political Science 1, three hours; Argumentation and Debate, three hours; Sociology and Economics as offered, seven hours; History Journal Club, one hour; Advanced History or Political Science as offered, two hours; Advanced Composition, three hours. Second semester. American Government and Politics or International Law, three hours; Argumentation and Debate, three hours; Sociology and Economics as offered, seven hours; Advanced History or Political Science as offered, two hours; Advanced Composition, three hours; History Journal Club, one hour.

FIELD EXPERIENCE IN PUBLIC SERVICE

By arrangement with the Legislative Reference Library at Madison the College offers practical field training in public service. Students qualified by a basic training in political science and economics may spend the second semester at the Library and receive College credit for satisfactory work. They will be given experience upon actual problems arising in the work of the Library and submitted by various state administrative departments, and in the use of the research sources available in Madison. In the year between legislative sessions it may be expected that much of the work will be upon problems suggested in the actual working out of our state government through the administrative departments. In the year of a legislative session problems connected with questions of legislation will predominate and there will be opportunity for practice in preliminary bill drafting. The work will be under the direct supervision of Dr. Charles McCarthy and Mr. C. B. Lester of the Library and of Dr. E. A. Fitzpatrick, Director of the Society for the Promotion of Training for Public Service. Careful record is kept of all work done and frequent progress reports must be submitted.

COMMERCE

For those students of Ripon College who wish to enter the Course in Commerce at the University at the beginning of the Junior year, Director Scott of the department of Commerce at the University of Wisconsin has outlined the following course for the student at Ripon College.

Freshman Year

English Composition, 1-2; French, 1-2; German, 1-2; or Spanish, 1-2; History, 1-2 or Economics 2a-2b; Mathematics, 1-2.

Sophomore Year

Chemistry, 1-2 or Physics, 1-2; Economics 1, 3 and 6; Foreign Language (continuation of the language taken in the freshman year).

LIBRARY SCIENCE

The authorities of the Library School of the University of Wisconsin strongly recommend that those contemplating entering the library profession obtain their bachelor's degree before seeking to enter the school. For those who contemplate

taking the library training either for credit toward a bachelor's degree or at the close of their college course the following suggestions are made.

A reading knowledge of German or if preferred, French, is required. As much actual experience in library work as is possible is of great value. While some of this may well be apprentice work in the College library a certain amount of public library work is most important. Further recommendations for under-graduate work are as follows:

Literature. Work in literature should be strongly emphasized, survey courses giving a perspective of the entire field of English and American literature being preferred.

History. A general understanding of history is most essential as a background, particularly such a knowledge as comes from survey courses in Modern, English, and American history.

Economics. An elementary course in economics which will familiarize the student with the vocabulary of the subject is almost essential. Additional work in sociology, political science, civics, etc., is valuable. It is advisable too, for the student to keep in touch with current events.

The typewriter has become so important a factor in modern library work and the school requires its use in the pursuit of so many of its courses, that some facility in its use is required of all applicants for admission.

THEOLOGY

The College offers all the courses usually taken in preparation for the study of theology. The courses outlined under the head of Philosophy, with suitable electives chosen under the direction of the head of that department, meet the approval of most theological seminaries.

TEACHING

The course for the preparation of teachers is intended to give the broadest and most complete training for high school teaching, consistent with a college course. There are three qualifications about equally essential for a successful teacher, namely: general culture and intelligence, mastery of the subject, and skill in the theory and art of teaching. The course provides for all three of these requirements. Its chief merit lies in the scope and thoroughness of the courses in Education.

No one is recommended as a teacher who has not completed a college course, and earned a bachelor's degree. This

course must contain Psychology, and at least one full year of the regular work in Education. It is strongly recommended that all the courses be taken.

The department of Education offers four standard four-hour courses, covering two years, and dealing in a thorough manner with the History and Philosophy of Education, with educative values and the fundamental principles governing method, with the special problems of teaching, management, and constructive ideals of life. Instruction is given in training young people to study and manage their own mental operations, to use libraries and reference books, and to get the right attitude toward life.

The several departments in Ripon College offer Courses for Teachers of those subjects, in which reviews of the elementary matter are given, with special reference to teaching it in high schools.

Systematic and critical observation of high schools in actual operation is a regular part of each year's work. There is also considerable opportunity for getting valuable experience in the actual work of a teacher, through the appointment of fellows and substitute teachers.

To worthy students who have taken these training courses, assistance is given, during the senior year, that they may secure good positions. The efforts of the faculty in this direction have been very successful. School men, understanding the character of the work done and the method of recommendation, are constantly writing for candidates. While no guarantee can be made, it is safe to say that every student who proves worthy, and desires a position, will secure one.

School Committees desiring information in regard to worthy graduates should address Dr. W. J. Mutch, Chairman of the Board on Recommendations. Dr. Mutch also co-operates with the leading teachers' agencies and with the Federal Department of Labor in locating efficient teachers. Graduates of the College who desire positions should notify Dr. Mutch.

Courses of Instruction

BIBLE AND RELIGION

FIRST SEMESTER COURSES

1. **THEISM.** In this course the student is led to an appreciation of that system of philosophy which finds its first principle in a Personal God. Open to juniors and seniors. Lectures, Class Discussions, Readings.

Three hours. M., T., Th., 2:15.

13. **LOGIC.** For description of the course see Logic, under the department of Philosophy.

2a. **BIBLE.** The Old Testament. Hebrew History and institutions.

Two hours. T., Th., 11:15.

Sunday Bible Courses are given by different members of the faculty in connection with some of the churches, for which one hour college credit is given.

SECOND SEMESTER COURSES

4. **ETHICS.** The study of moral development, moral principles, and application of morals to present-day problems. Open to juniors and seniors.

Text-book: Dewey and Tufts.

T., Th., 2:15.

2. **BIBLE.** The Old Testament. Hebrew Prophets.

Two hours. T., Th., 11:15.

Sunday courses are given as in the first semester.

5. **SEMINARY.** Text and assigned readings in Christian Missions. This course aims to give to the student an intelligent appreciation of the essential place of missions in the progress of Christian civilization.

One hour. W., 2:15.

ALTERNATE COURSES

3, 3a. **BIBLE.** The New Testament. The Life of Jesus. Life and Letters of Apostle Paul.

PHILOSOPHY

PROFESSOR MUTCH

PHILOSOPHY is a fundamental subject. It is intended to give form and character to the student's thinking, and to relate the other subjects of his course to each other. It deals with the great and permanent subjects of human thought, such as reality, natural law, conscious personality, materialism, idealism, knowledge. Every educated person ought both to have a point of view of his own, and also to know what the world's best thought is on these subjects.

A student may make Philosophy his major subject by taking a minimum of twenty hours in Philosophy.

A minor in Philosophy must consist of Philosophy 1 and 2.

FIRST SEMESTER COURSES

1. **METHOD OF NATURE.** Class discussions, readings, and lectures on the cosmic and biological interpretation of the world; mechanism and vitalism. An introduction to the study of Philosophy.

Four hours. T., W., Th., F., 9:00.

3. **HISTORY OF ANCIENT PHILOSOPHY.** A study of the writings and systems of thought of the classical and medieval philosophers. Text-book and Source book.

Three hours. M., W., F., 11:15.

17. **ITALIAN ART.** An elementary course in the study of Art. The principles of Aesthetics are considered only incidentally. The course deals for the most part with the development of early Italian painting, especially of the Florentine School. This course is given by Professor Taintor.

Two hours. M., W., 1:15.

SECOND SEMESTER COURSES

2. **PHILOSOPHY.** A study of the problems of reality, order, and knowledge, with a view to helping each student to work out a philosophy of his own, which will serve him as a basis for his own thought and life. Text-book, reference reading, and term paper. This course follows Philosophy 1.

Four hours. T., W., Th., F., 9:00.

4. **HISTORY OF MODERN PHILOSOPHY.** A study of the leading philosophers since Descartes, in relation to the life and thought of their times. Text-book and readings from authors studied.

Three hours. M., W., F., 11:15.

ALTERNATE COURSES

15. **PRESENT DAY PHILOSOPHY.** A study of some of the main types of philosophical thought at the present time in Europe and America, with the reading of representative writings.

Three hours.

16. **PHILOSOPHY OF RELIGION.** A study of the philosophical and psychological bases of religion, and of the doctrines and ideals of the Christian religion. This course follows Philosophy 15.

Three hours.

EDUCATION

PROFESSOR MUTCH

Both the nature of the subject of Education and the past experience of this department in Ripon College show that this subject has a "culture value" quite as rich as that of any other subject in a college curriculum. It fits one for the understanding and mastery of self, and so for good citizenship, and for the ordinary responsibilities of home, business, and society.

At the same time, the fact is recognized that a majority of the graduates of Ripon College teach in high schools, normal schools, and colleges. Work is chosen for these courses which experience has shown to be most useful in preparing graduates to meet the requirements of these positions in a broadly competent way. The best modern science and practice of the teaching art is made available. This policy has created a steadily increasing demand for Ripon College teachers.

A state teacher's license will be issued to graduates who have taken Psychology, and Education 5-6, or 7-8. But adequate preparation for teaching requires Education 5, 6, 7, and 8, together with at least one departmental course for teachers. The life certificate for Wisconsin is granted after one year of successful experience in the state.

A student may make Education his major subject by taking courses 5, 6, 7, 8, 11, and either 9, or a departmental course for teachers. Philosophy 1, and a minimum of two years in the subject which it is proposed to teach, are also very desirable.

FIRST SEMESTER COURSES

7. **PHILOSOPHY OF EDUCATION.** A study of the fundamental theory of education, especially in its psychological, biological, and sociological aspects. Outside readings, class discussions, written papers. Text-book: Bolton's "Principles of Education." This course alternates with Education 5.

Four hours. T., W., Th., F., 8:00

9. **RELIGIOUS EDUCATION.** What religion is, its factors and forms; the church school, its history, organization and curriculum; Bible teaching, its aim, gradation, and method; the home, the church, and the public school as related to the subject.

Two hours. T., Th., 11:15.

SECOND SEMESTER COURSES

8. **HIGH SCHOOL TEACHING.** A study of the pedagogy of high school work; the organization and curriculum of the high school, the educational value of the subjects, general and special method; teaching how to study, and to use reference books and libraries. This course follows Education 7. This course alternates with Education 6.

Four hours. T., W., Th., F., 8:00.

11. **PSYCHOLOGY.** An elementary course in general Psychology, with a combination of text-book, topical discussion, and simple experiments. While the course is classed under the general head of Education, it is one of the general and fundamental courses which every student should have, and it should not be left until the senior year.

Four hours. M., T., Th., F., 3:15.

ALTERNATE COURSES

5. **HISTORY OF EDUCATION.** This course is based on Monroe's "Brief Course in the History of Education." There are some selected outside readings, and an additional study of the history of education in the United States.

Four hours.

19. **EDUCATIONAL ADMINISTRATION.** An advanced course in Education dealing with school organization, administration and supervision. Topics requiring visitation and research.

Two hours.

6. **PEDAGOGY.** Theory and general method of teaching, based on educational psychology and the best modern practice; special method, training, discipline, school management. A text-book such as Bagley's "Educative Process" is used, with lectures, outside reading, class-room discussions, written papers, observation and supervised practice work. This course follows Education 5.

Four hours.

ARCHAEOLOGY

PROFESSOR GOODRICH

FIRST SEMESTER

1. **CLASSICAL ARCHAEOLOGY.** A study of important centers of ancient civilization, as Knossus, Mycenae, Athens, Delphi, and Olympia. Study of monuments which are most important for a knowledge of Greek architecture and sculpture. Lectures on the minor arts. Emphasis is placed on the relation of archaeology to literature and history.

Two hours. T., Th., 11:15.

ALTERNATE COURSES

4. **POMPEII AND ROMAN PRIVATE LIFE.** The excavations of Pompeii are studied and made the basis of a course of lectures on the life of the Romans.

Two hours.

3. **TOPOGRAPHY AND MONUMENTS OF ROME.** The growth of the ancient city from its foundation to the fourth century; the topography of Rome; study of important monuments. Lectures on Roman architecture and sculpture.

One hour.

GREEK

PROFESSOR GOODRICH

FIRST SEMESTER COURSES

1. **XENOPHON, HOMER.** Selections from the Hellenica of Xenophon; Homer's Odyssey, selected portions. Systematic review of grammar.

A year course. Followed by Course 2. Four hours. M., T., Th., F., 2:15.

SECOND SEMESTER COURSES

2. **XENOPHON, HOMER.** Following course 1.

Four hours. M., T., Th., F., 2:15.

10. **MYTHOLOGY IN GREEK LITERATURE.** This is given as a joint course with Professor Taintor. It is a four-hour course, two hours being given in each department. It consists in this department, of a study of some of the noteworthy myths found in Greek literature and Greek art, with illustrated lectures and assigned readings in English translations. Open only to juniors and seniors.

Two hours. Th., F., 3:15.

Two hours in the English literature department. M., F., 3:15.

ALTERNATE COURSES

A. **COURSE FOR BEGINNERS.** Goodwin's Grammar; Goodwin and White, Anabasis. A year course, alternating with Course 1.

Four hours.

3-4. **PLATO, EURIPIDES, ARISTOPHANES, LUCIAN.** Plato's Apology and selections from other writings; Euripides, Alcestis and Iphigenia in Tauris; Aristophanes, Acharnians; selections from Lucian.

A year course. Three hours.

5-6. **THUCYDIDES, AESCHYLUS, DEMOSTHENES.** Thucydides, the Sicilian Expedition; Aeschylus, Agamemnon; Demosthenes, On the Crown.

A year course. Three hours.

7. **CLASSICAL LITERATURE.** A study, through English translations, of the masterpieces of Greek and Latin literature, and of the influence of the classics upon the form and content of later literature.

Three hours.

9. **GREEK TESTAMENT.** A careful study, text and interpretation of selected passages in the Greek New Testament.

Prerequisite: Greek A.

A year course. Two hours.

LATIN

PROFESSOR GOODRICH

FIRST SEMESTER COURSES

A. **COURSE FOR BEGINNERS.** Special attention is given to the presentation of the subject so that a fairly comprehensive knowledge of Latin may be acquired by those who begin the study of it in the freshman year. This course meets the entrance requirements in foreign language, or may be counted for credit toward graduation.

Through the year. Four hours. M., T., W., F., 10:15.

B. **CICERO-VIRGIL.** This course follows Course A, or may be taken by students who have had two years Latin in the high school.

Through the year. Four hours. M., T., W., Th., 11:15.

1. **LIVY.** Selections from Livy (Burton). **CICERO, De Senectute.** Prose Composition.

Four hours. M., T., Th., F., 3:15.

14. **CICERO'S LETTERS.** Interpretive study of the life of Cicero. Selections from the orations and the essays.

Three hours. M., W., F., 8:00.

SECOND SEMESTER COURSES

A. **COURSE FOR BEGINNERS.** Continuation of first semester course.

Four hours. M., T., W., F., 10:15.

B. **VIRGIL.** Continuation of first semester course.

Four hours. M., T., W., Th., 11:15.

2. **HORACE.** Odes and Epodes.

Four hours. M., T., Th., F., 1:15.

10. **VIRGIL.** The class will read Eclogues, parts of the Georgics, and Books VII-XII of the Aeneid. Study of sources, methods and literary influence of Virgil.

Second semester. Three hours. M., W., F., 8:00.

ALTERNATE COURSES

3. **LATIN LITERATURE.** Lectures and assigned readings on the literature of the Republic.

Three hours.

4. **LATIN LITERATURE.** Lectures and assigned readings on the literature of the early Empire.

Three hours.

5. LUCRETIVS. *De Rerum Natura*.

Cicero, *Tusculan Disputations*, Book I for rapid reading. Prose Composition.

Four hours.

7. ROMAN SATIRE. A study of Horace, Juvenal, Perseus, Petronius and of the history of Roman Satire. Prose Composition.

Four hours.

8. ROMAN COMEDY. Selected plays of Plautus and Terence. A reading course.

Three hours.

15. THE ROMAN STATE IN THE TIME OF AUGUSTUS. Monumentum, Ancyranum, Suetonius' "Life of Augustus", collateral reading from the writers of the period.

Two hours.

16. TACITUS, GERMANIA AND AGRICOLA. Selections from the letters of Pliny and the epigrams of Martial.

Three hours. M., W., F., 9:00.

17. CHRISTIAN WRITERS OF THE LATE EMPIRE. Lectures on the religions and literary tendencies of the age. Particular study of St. Augustine's "Civitas Dei" and of the Latin Hymns.

Three hours.

12. COURSE FOR TEACHERS. About one-half of the time will be given to a study of the more important phases of Latin grammar and to prose composition. Part of the authors usually read in the high school course will be studied.

Discussion of problems connected with the teaching of Latin in secondary schools.

Three hours.

13. JOURNAL CLUB. Reports on books and articles in the current journals and discussion of general topics pertaining to the classics.

Through the year. One hour.

GERMAN

PROFESSOR VAN HARLINGEN

ACTING PROFESSOR SCHONS

All courses in this department are conducted in German.

FIRST SEMESTER COURSES

A. COURSE FOR BEGINNERS. This course is arranged for students who have not met the college entrance requirements in German. The work, if satisfactorily done, will admit the student to the Freshman German.

Whitney and Stroebe's "Brief Course in German."

Grammar, prose composition, reading of short stories and plays by modern writers and conversation.

Through the year. Four hours. M., T., W., F., 11:15.

1. **FRESHMAN GERMAN.** This course is intended to continue the work begun in the secondary schools. The object is to teach the students to read German rapidly and intelligently without using the medium of English.

Study of the novel or the short story; prose composition.

Through the year. Four hours.

Section 1, M., T., W., Th., 10:15.

3. **SOPHOMORE GERMAN.** Introduction to the study of German literature.

Brief outline of the history of German literature up to and through the classical period. Representative works covering the period from the tenth to the sixteenth century are read in modern German translation. Analysis of texts, papers presented by the class on subjects suggested by the reading. Grammar, composition.

Three hours. M., W., F., 9:00.

5. German classical literature of the eighteenth century.

Study of the lives and works of Lessing and Schiller. Assigned readings and reports. Prose composition.

Three hours. T., Th., F., 3:15.

7. **COURSE FOR TEACHERS.** This course is designed for students who are intending to teach, and is open to those who have completed 5 and 6.

Composition on assigned themes with systematic review of the grammar, one hour; survey of the history of German literature, with readings from representative works of each period, one hour.

Discussion of the new methods and their application. Members of this class are called upon to conduct recitations, and are also given opportunity to act as substitute teachers.

Through the year. Two hours. T., Th., 1:15.

SECOND SEMESTER COURSES

A. **COURSE FOR BEGINNERS.** A continuation of first semester course. Four hours. M., T., W., F., 11:15.

2. **FRESHMAN GERMAN.** Following course 1.

Four hours.

Section 1, M., T., W., Th., 10:15.

4. **SOPHOMORE GERMAN.** Romantic period in German literature.

Development of the Romantic Movement in Germany, with special reference to its expression in lyric poetry and the "Maerchen." Grammar, composition.

Second semester. Three hours. M., W., F., 9:00.

6. **GOETHE'S LIFE AND WORKS.** His plays are studied as the dramatic expression of the poet's period of Storm and Stress and of his classical period. Assigned readings from Bielschowsky's "Life of Goethe."

Second semester. Three hours. T., Th., F., 3:15.

8. **COURSE FOR TEACHERS.** Following course 7.

Two hours. T., Th., 1:15.

10. GERMAN CONVERSATION. One hour. Open only to those who are taking some other course in the department.

This course aims to give the student an opportunity of acquiring fluency and accuracy in the use of the language, a good working vocabulary, and much valuable information on customs and institutions of modern Germany.

ROMANCE LANGUAGES

ASSOCIATE PROFESSOR HEISE

FIRST SEMESTER COURSES

French

1. ELEMENTARY FRENCH. The elements of grammar; the reading of simple texts; drill in pronunciation; composition; oral drill.

Four hours. M., T., W., F., 10:15.

3. SECOND YEAR FRENCH. French Readings. Modern short stories and dramas. Oral exercises based on texts read and weekly prose exercises.

Three hours. M., W., F., 9:00.

Spanish

1. ELEMENTARY SPANISH. The elements of grammar; the reading of simple texts; composition; oral drill.

Four hours. M., T., Th., F., 1:15.

3. SECOND YEAR SPANISH. Spanish Readings. Modern novels and dramas. Reports in Spanish by members of class. Conversation and weekly prose exercises.

Three hours. M., W., F., 11:15.

SECOND SEMESTER COURSES

French

2. ELEMENTARY FRENCH. Continuation of Course 1. The grammar completed; reading, translation, composition, oral drill, and dictation.

Four hours. M., T., W., F., 10:15.

4. SECOND YEAR FRENCH. Continuation of Course 3, with much oral work. Reports in French by members of the class to furnish a simple historical and literary background.

Three hours. M., W., F., 9:00.

Spanish

2. ELEMENTARY SPANISH. Continuation of Course 1. Brief reports in Spanish on selected topics.

Four hours. M., T., Th., F., 1:15.

4. SECOND YEAR SPANISH. Continuation of Course 3. Some time given to form historical and literary background for all the work done.

Three hours. M., W., F., 11:15.

Students are urged to offer two years of Latin or German before electing French, and one year of French before electing Spanish.

Elementary French and Elementary Spanish are year courses; only one of these may be counted toward the Major in the department.

ENGLISH COMPOSITION AND PUBLIC SPEAKING

PROFESSOR BOODY

ASSOCIATE PROFESSOR GRAHAM

REQUIREMENT FOR GRADUATION. Eight semester hours in this department are required of all candidates for graduation from the College. English Composition C1 for the first and second semesters is required of all freshmen. Students who make unsatisfactory grades in this course, or who later show themselves deficient in the use of English, are held for further work in the department. Besides the work of the freshman year in C1, one other course of at least two semester hours must be taken. This should usually be taken in the sophomore year.

FIRST SEMESTER COURSES

C1. INTRODUCTORY COURSE IN ENGLISH COMPOSITION. This course seeks to give to all entering students such mastery of the English language as a tool as may help them to accuracy and clearness of expression in all their college work, to confidence in themselves, and to a greater degree of efficiency in society. The course includes a review of the mechanics of composition; a short history of the English language; a study of words, their etymologies and meanings, prefixes and suffixes, synonyms and antonyms; a careful consideration of the sentence and the paragraph. Much drill in the use of good English is given through daily exercises. Frequent compositions, both oral and written are required, with criticism by classmates and instructor as to substance, form, and manner of presentation.

This course continues throughout the year, three hours a week.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 9:00.

Section 3, T., Th., F., 1:15.

C3. EXPOSITION AND ARGUMENT. This course is designed for those students who desire practical ability in composition rather than literary attainment. It is specially adapted to the needs of those who desire later to enter courses in debating and practical public speaking. The course affords much practice in writing, with emphasis upon Exposition and Argumentation. The work includes outlines, briefs, forensics, outside readings and individual conferences. The course is correlated with the work of other departments as far as possible.

Elective for those who have completed English Composition C1.

Two hours. W., F., 10:15.

C5. NARRATION AND DESCRIPTION. A course designed to develop vigor of expression and individuality of style, together with an appreciation of these elements in the best writers, classic and modern. Special attention is given to the light essay and to narrative and descriptive sketches.

Elective for those who have completed English Composition C1.

Two hours. T., Th., 10:15.

C7. NEWSPAPER WRITING. An advanced course open only to members of the staff of the College Days and of the Ripon Press Association. Instruction and practice is given in the details of the work of the newspaper reporter, including news gathering and newspaper writing. Definite assignments for work on the College paper and for other newspapers are made by the instruc-

tor. Students may register in this course for one, two, or three hours credit, according to the amount of practical newspaper work they propose to do.

Two hours. M., 8:00; Th., 10:15.

C9. ARGUMENTATION AND DEBATING. A systematic study of the principles of Argumentation and of Oral Debate. Careful attention is given to the analysis of propositions, methods of briefing, the employment of evidence in the proof, refutation, and the debating style. Class debates furnish training in extemporaneous debating. Four principles disputant are appointed for each debate, and students are required to speak frequently from the floor. Each debate is followed by criticism by the class and the instructor. English C3 is recommended as a preparation for this course.

Three hours. M., 3:15; W., 2:15-4:15.

C11. PRACTICAL PUBLIC SPEAKING. A course in the preparation and delivery of original speeches. It includes a study of the structure of the short speech and constant drill in the effective methods of delivery. In this course students get constant practice in making five-minute speeches upon vital topics of the day, with the criticism by classmates and instructor as stimulus and corrective. The work is more than academic: it includes the preparation of addresses for various special audiences and the actual delivery of these addresses.

Two hours. T., Th., F., 3:15.

C13. THE ORATION. This course provides training for those students who wish to enter any of the home or interstate oratorical contests. It includes a careful study of the structure and diction of the oration, together with the study of the speeches of a number of great orators. It is accompanied by practice in writing and delivering orations.

Two hours. T., Th., 2:15.

C15. THE ACTED DRAMA. A course providing training for public presentation of plays under the auspices of the College. In this course the drama is presented from the standpoint of the actor and the producer. As a background for the actual work of staging a play, the student is introduced to the history of the drama and of the stage, and is made acquainted with authors and plays of representative schools. Students who wish to take part in the College plays should elect this course.

Two hours. M., F., 2:15.

SECOND SEMESTER COURSES

C2. INTRODUCTORY COURSE IN ENGLISH COMPOSITION. Continued from the first semester.

Four hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 9:00.

Section 3, T., Th., F., 1:15.

C4. EXPOSITION AND ARGUMENT. Continued from the first semester.

Two hours. W., F., 10:15.

C6. NARRATION AND DESCRIPTION. Continued from the first semester, with emphasis upon the short story.

Two hours. T., Th., 10:15.

C8. **NEWSPAPER WRITING.** Continued from the first semester. For members of the College Days staff and of the Ripon Press Association. One, two, or three points credit.

Two hours. M., 8:00; Th., 10:15.

C10. **ARGUMENTATION AND DEBATING.** Continued from the first semester. The course is open only to those students who represent the College in intercollegiate debates.

Three hours. M., 3:15; W., 2:15-4:15.

C12. **PRACTICAL PUBLIC SPEAKING.** Continued from the first semester.

Two hours. T., Th., 3:15.

C14. **THE ORATION.** Continued from the first semester. A course providing training for students who represent the College in intercollegiate oratorical contests.

Two hours. T., Th., 2:15.

C16. **THE ACTED DRAMA.** Continued from the first semester. A course providing training for those students who wish to take part in the College plays.

Two hours. M., F., 2:15.

ENGLISH LITERATURE

PROFESSOR TAINTOR

FIRST SEMESTER COURSES

1. **GENERAL SURVEY OF ENGLISH LITERATURE.** This course should be taken by all who expect to make English their major subject. It is also adapted to those students who may not be able to give special study to a particular period, or to individual authors, but who wish for some general knowledge of the literature of England. It is a reading course, continuing throughout the year so that the student may have opportunity for wider and more varied reading than is possible in a single semester.

The class room work for the first semester, which includes the literature to the age of Johnson, will give especial attention to the main currents of life and literature in English history, and so, indirectly, to the real philosophy of literature. Reports on assigned topics will continue through the semester. It is a year course, but credit will be given for either semester. It is not open to Freshmen.

Three hours. M., W., F., 8:00.

3b. **SHAKESPEARE'S COMEDIES.** This is a sophomore course. It is open to any who may not elect English 1.

Four hours. T., W., Th., F., 10:15.

9. **THE BIBLE AS LITERATURE.** Readings from the Old Testament.

Two hours. T., Th., 11:15.

5. **THE ROMANTIC MOVEMENT.** Studies in the poems of Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, with lectures on the age which they represent. For juniors and seniors.

Four hours. T., W., Th., F., 2:15.

11. ENGLISH RESEARCH. This course may be given in either semester. It is meant for the advanced student whose major subject is English, and who has shown more than average ability for independent work. To be registered for only by special permission.

One to three hours.

In addition to the courses outlined above, Professor Taintor gives a course in Italian Painting with the following number and title.

17. ITALIAN ART. After a brief survey of the principles and motives of art, the course deals with the painters and paintings of the Early Italian Renaissance, especially of the Florentine School. "Mornings with the Masters of Art" by Powers is used as a textbook. Credit for this course may be given in the Department of Philosophy, either to complete the full twenty-eight hours of a major, or as an addition to the regular work of a minor. Under similar conditions, where deemed advisable, the course may be credited instead, in this department.

Two hours. M., W., 1:15.

SECOND SEMESTER COURSES

1a. GENERAL SURVEY OF ENGLISH LITERATURE. This course follows the course English 1. It includes the literature from Johnson to Ruskin. It is not open to Freshmen.

Three hours. M., W., F., 8:00.

3a. SHAKESPEARE'S TRAGEDIES. This course is open to sophomores who have taken 3b. It consists of a careful study of some of the Tragedies and History Plays with the reading of others.

Three hours. M., W., F., 10:15.

9a. THE BIBLE AS LITERATURE. Readings from the New Testament.

Two hours. T., Th., 11:15.

13. GREEK MYTHOLOGY IN ENGLISH LITERATURE. This is given as a joint course with Dr. Goodrich. It is a four-hour course, two hours being given in each department. It consists, in this department, of discussions of the origin and meaning of myths, and of the reading of literature in which some of the chief myths find illustration. Open to Juniors and Seniors.

Two hours. M., T., 3:15.

Two hours, in the Greek Department. Th., F., 3:15.

6. THE AGE OF TENNYSON. Studies in the Poetry of Tennyson and Browning. Open to juniors and seniors only.

Four hours. M., T., Th., F., 2:15.

11. ENGLISH RESEARCH. As in first semester.

12a. COURSE FOR TEACHERS.

One hour. W., 2:15.

ALTERNATE COURSES

2. CHAUCER. Two hours.

4. THE AGE OF MILTON. Three hours.

7. ENGLISH PROSE FROM BACON TO RUSKIN. Two hours.

10. THE AMERICAN POETS. Four hours.

HISTORY AND POLITICAL SCIENCE

PROFESSOR HEARON

MISS GIBSON

FIRST SEMESTER COURSES

1. **MEDIEVAL HISTORY.** This course is a survey of continental Europe from the barbarian invasions to the close of the fifteenth century.

This course is designed especially for freshmen.

Four hours.

Section 1, M., T., W., Th., 9:00.

Section 2, M., T., Th., F., 3:15.

6a. **EUROPE, 1789-1871.** This course with 6b, is planned to give an insight into the world problems involved in the Great War. In the first semester it will cover the French Revolution and the era of Napoleon and trace the development of democracy and the growth of nationalism through the unification of Italy and of Germany.

Not open to freshmen.

Three hours. M., W., F., 11:15.

7a. **ORIENTAL AND GREEK HISTORY.** The history of the ancient peoples will be treated with reference to their permanent contributions to civilization. Courses 7a and 7b are especially recommended to students who intend to teach history in the schools.

Four hours. M., T., Th., F., 10:15.

5a. **AMERICAN HISTORY. 1837-1876.** A discussion of slavery, secession, and reconstruction.

Not open to sophomores except by permission.

Three hours. M., W., F., 1:15.

10a. **COURSE FOR TEACHERS.** A study of aims, problems, and methods in the teaching of history. Courses of study will be prepared, lessons planned, texts and reference books discussed, observation required, and actual teaching provided when possible so as to make the course of real value to the student who plans to teach history.

Open only to juniors and seniors.

One hour. To be arranged.

SECOND SEMESTER COURSES

2. **MODERN HISTORY.** This course is a general survey of Europe from the close of the fifteenth century to the present day. It is a continuation of Course 1.

This course is designed especially for freshmen.

Four hours.

Section 1. M., T., W., Th., 9:15. Open to students entering the second semester.

Section 2. M., T., Th., F., 3:15.

6b. **EUROPE. 1871-1918.** A study of the social, economic, and political evolution of the states of Europe, the rise of the new imperialism, and international diplomacy since 1871.

Three hours. M., W., F., 11:00.

7b. ROMAN HISTORY. The development of Rome will be traced through the reign of Diocletian with emphasis on the period of the empire.

Four hours. M., T., Th., F., 10:00.

5b. AMERICAN HISTORY. 1876-1917. A study of the economic, social, and political development of the United States since 1786 with special reference to present conditions and tendencies.

Not open to sophomores.

Three hours. M., W., F., 1:15.

10b. COURSE FOR TEACHERS. A continuation of the work as outlined in the course for the first semester.

Open only to juniors and seniors.

One hour. To be arranged.

ALTERNATE COURSES

FIRST SEMESTER

3a. ENGLISH POLITICAL AND CONSTITUTIONAL HISTORY. This course is designed as a study of the political and constitutional History of England from the Teutonic conquest of Britain to the establishment of the Tudor dynasty.

This course with 3b constitutes a year course and is designed especially for sophomores.

Prerequisite: Courses 6 and 8.

Not open to freshmen.

M., T., Th., F., 11:15.

4a. AMERICAN HISTORY. The Colonial Period. From the age of discovery through the revolution, with special reference to the relations between European powers in the New World, the institutional and social development in the English Colonies, and the problems of imperial organization.

This course alternates with 5, AMERICAN HISTORY, 1837-1916.

Not open to Sophomores except by permission.

Three hours. M., W., F., 1:15.

8a. AMERICAN FEDERAL GOVERNMENT. An analysis of the structure and working of the central government in the United States together with a study of the party system, election machinery and current tendencies in politics and legislation.

This course alternates with 6, Europe in the 19th and 20th century.

Not open to freshmen.

Three hours. T., Th., F., 10:15.

11a. JOURNAL CLUB. Reports on current writings in history and political science. Papers to be contributed by members of the class. Bibliographical study. Open discussion of points that may arise in other courses, where time does not admit of detailed consideration. Discussion of Current Topics.

Prerequisite: 12 hours in the department.

One hour. To be arranged.

SECOND SEMESTER

3b. **ENGLISH POLITICAL AND CONSTITUTIONAL HISTORY.** This course is a continuation of Course 7a. It embraces a study of the political and the constitutional history of England from the accession of the Tudors to the 19th century.

Prerequisite: Course 3a.

Four hours. M., T., Th., F., 11:15.

4b. **AMERICAN HISTORY.** The development of American Democracy, 1787-1837. This course will study the critical period, the formation of the Constitution and organization of the new government, the Federalist period, the rise of Jeffersonian Democracy and the triumph of Jacksonian Democracy.

Not open to sophomores except by permission.

Three hours. M., W., F., 1:15.

8b. **AMERICAN LOCAL GOVERNMENT.** A study of the American State with its types of town, county and city government. Especial emphasis will be placed on municipal government and problems.

Not open to freshmen.

Three hours. T., Th., F., 10:15.

11b. **JOURNAL CLUB.** Reports on current writings in history and political science. Papers to be contributed by members of the class. Bibliographical study. Open discussions of points that may arise in other courses, where time does not admit of detailed consideration. Discussion of Current Topics.

Prerequisite: 12 hours in the department.

One hour. To be arranged.

ECONOMICS AND SOCIOLOGY

PROFESSOR FEHLANDT

ECONOMICS

FIRST SEMESTER COURSES

1. **THE PRINCIPLES OF ECONOMICS.** Open to students after the freshman year. This course covers in outline the entire economic field — the principles of wealth production, of exchange, and of distribution. Public finance, with principles and methods of taxation. Brief outline of economic thought. A course indispensable for intelligent citizenship and as a foundation for further specialized study.

Four hours. M., T., Th., F., 1:15.

2a. **ECONOMIC HISTORY OF ENGLAND.** Geographic influences in English history. The Roman and Norman conquests, with resultant changes. The English village community. Town life: the merchant and craft guilds; markets and fairs. The Black Death, changes in agriculture, the decline of serfdom, the break-up of the medieval system. The colonial and trade expansion of England. The Industrial Revolution; the factory system; the growth of population, with resultant problems of governmental control. Recent developments. This course may serve as introductory to either Economics 2b or 1.

Three hours. M., W., F., 11:15.

SECOND SEMESTER COURSES

2b. **ECONOMIC HISTORY OF THE UNITED STATES.** Natural resources of the United States. The economic aspects of American colonization. The epic of westward expansion; land policies; tariff, money, and banking history; railroads as empire builders. Development of typical industries. Conservation. Recent industrial tendencies and problems of control.

Four hours. M., T., Th., F., 1:15.

3. **MONEY, CREDIT, AND BANKING.** Course 1 should precede this. The function of money in exchange. Historic and present forms. Currency history of the United States. Credit. The function of the bank. Banking history and recent banking reform in the United States. Banking systems of Canada, England, France, and Germany. The work of Wall Street.

Three hours. T., Th., F., 2:15.

6. **TRANSPORTATION.** Highways as a factor in industrial development. Natural highways and the direction of early settlements in America. The era of the turnpike, the canal, the railroad. Railway development; competition, pools, rate agreements, consolidation, railway systems. Government regulation—successive acts. Abuses in railway management. Problems of capitalization and rates. Relation of state to railways in Europe.

Three hours. T., W., Th., 9:00.

ALTERNATE COURSES

4. **BUSINESS ORGANIZATIONS.** Nature of business enterprise. The various forms of business organizations. The corporation: its nature, history, and adaptability to large-scale industry. Combination: motives, forms, methods. The corporation problem: capitalization and management. The problem of monopoly: prices. The problem of public control; social and legal considerations.

Four hours. This course is given every other year, alternating with Sociology 9.

5. **LABOR PROBLEMS.** Historical background of free labor: slavery and serfdom. The industrial Revolution: beginnings of modern industrial system, and emergence of a distinct wage-earning class. Modern organized labor: its history, program, methods, and achievements. Public interest in industrial disputes. Methods of conciliation. Legislation and outlook.

Three hours. This course alternates with Sociology 10.

SOCIOLOGY

FIRST SEMESTER COURSES

7. **THE PRINCIPLES OF SOCIOLOGY.** Man in cosmic evolution. The law of adaptation. Mind as the supreme organ of adaptation in man. Society (human association) as a means of such adaptation. Genesis and development of social institutions. Forces that have entered into the shaping of human society, with possibility of applying basic social principles to conscious human betterment.

Four hours. T., W., Th., F., 10:15.

12. **SEMINARY: Prohibition.** A brief historical survey of a hundred years in the temperance reform, with deeper sociological bearings. Facts, principles, methods, results.

One hour. W., 1:15; or hour fixed by consultation.

9. **SOCIAL METHODS.** This course deals with activities and methods in social amelioration. The criminal, the delinquent, the defective and backward classes. Principles of correction and relief. Preventive methods; social insurance. Problems of child welfare; vocational guidance and training. The social settlement; the social center. The social survey; the social exhibit. Eugenics and human betterment.

Four hours. M., T., Th., F., at 2:15.

8. **PROBLEMS IN APPLIED SOCIOLOGY.** Follows Course 7. Social problems a matter of social adjustment. Analysis and study of present-day problems: the family, growth of population, the city, rural life, crime, poverty, great wealth, the woman's movement, world peace, etc. Socialism in the light of sociology. Organizing social forces for social betterment through scientific and effective methods.

Three hours. M., W., F., at 10:15.

10. **AMERICAN SOCIETY.** A study of American characteristics as determined by factors of race, environment and history. Background of colonization and shaping influence of colonial life. Westward expansion and the conquest of a continent: qualities developed. Economic determinism in American history. European critics of America. Our Hall of Fame. Recent immigration and its influence upon American ideals and traditions. America's mission.

Three hours. M., W., F., at 11:15.

MUSIC

PROFESSOR BINTLIFF

MISS DARROW

MRS. READE

MR. KLEIN

MISS THOMAS

The courses in music which may be elected for credit towards the A. B. degree are as follows: Pipe Organ, Violin, Voice, Choral Music, Advanced Harmony, Analysis of Musical Forms, Counterpoint, Musical Appreciation, History of Music. From these twenty hours may be selected for credit, ten of which may be in practical music, that is, individual instruction in Piano, Organ, Violin, or Voice. The work in applied music is open only to juniors and seniors and the approval of the Director of the School of Music must be obtained before registration for college credit. The minimum practice in voice and organ is six hours per week; for piano and violin eight hours per week. The classes in Choral Music, Harmony, Analysis, History of Music are open to any student who has sufficient understanding of music to pursue the work to advantage.

FIRST SEMESTER COURSES

A. **ELEMENTARY THEORY.** Sight reading; study of intervals; notation and terminology.

Throughout the year, one hour.

Prerequisite for credit courses.

1. **CHORAL MUSIC.** Advanced sight reading.

Prerequisite for 2: One hour, but no credit given first semester.

3a. EAR TRAINING. This course is required with 3 and is prerequisite for credit in 3.

One hour.

3. SCIENCE OF HARMONY. Scales; intervals; chords; inversions; modulations; harmonizing of melodies.

Prerequisites: A, and 3a.

Two hours.

7. ANALYSIS OF MUSICAL FORM. A detailed study of form in music, analyzing its development from the figure through the Symphony. Required with 9.

One hour.

9. COUNTERPOINT. Writing in the various species in two, three, four, and five parts. Imitation; sequences; the invention and fugue in two parts.

Prerequisites: A, 3, 4, 3a, and 4a. Required with 7.

One hour.

11. APPRECIATION OF MUSIC. This course will include the study of the principles of musical form, the development of music into its various branches, the stories of the standard operas and oratorios, and some analytical study of the larger instrumental compositions for piano, violin, and orchestra; such as the sonata, overture and symphony. Lectures and illustrations. The Victrola and Stereopticon are used. The purpose of the course is to awaken and develop the faculty of listening. Required with 13.

One hour.

13. HISTORY OF MUSIC. From the Greeks and Romans to the Beethoven period.

Two hours.

15. PRACTICAL MUSIC. This course includes individual instruction in violin, voice, piano, or organ. To obtain credit in this course the student must have completed the first and second years of music as prescribed in the courses of the School of Music.

SECOND SEMESTER COURSES

2. CHORAL MUSIC. Preparation and performance of standard cantatas and oratorios.

Throughout the year. One hour.

4a. EAR TRAINING. Continuation of 3a. Required with 4 and prerequisite for credit in 4.

One hour.

4. SCIENCE OF HARMONY. Continuation of 3. Mixed and altered chords; enharmonics; extraneous modulations; extended work in harmonization.

Prerequisites: A, 3, 3a, and 4a.

Two hours.

8. ANALYSIS OF MUSICAL FORM. Continuation of 7.

Prerequisite: 7.

One hour.

10. COUNTERPOINT. Continuation of 9.

Prerequisite: 9.

One hour.

12. APPRECIATION OF MUSIC.

One hour.

14. HISTORY OF MUSIC. Continuation of 13. From the Beethoven period to the Ultra-Modernists.

Two hours.

16. PRACTICAL MUSIC. Continuation of 15.

MATHEMATICS

PROFESSOR WOODMANSEE

FIRST SEMESTER COURSES

1. ALGEBRA. The course begins with a brief review of the topics covered by the college entrance requirements in algebra. The remainder of the course is given to the study of the properties of quadratic equations, with special emphasis upon their graphical interpretation; mathematical induction; variation; progressions; permutations and combinations; binomial theorem; the general theory of equations with one unknown; the elements of determinants; complex numbers and undetermined coefficients.

Three hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 1:15.

3a. MECHANICAL DRAWING. Use of instruments; graphical solution of conic sections; orthographic projection; free hand perspective; development of surfaces; intersection of surfaces; working drawings; lettering; tracing; machine design.

A year course. Continued in second semester.

Three hours. M., T., Th., 2:15-4:15.

8a. ANALYTICAL GEOMETRY. The point; loci; the straight line; transformation of co-ordinates; the circle; conic sections including a discussion of the general equation of the second degree; transcendental curves; parametric equations. A brief course on the Analytical Geometry of three dimensions.

Prerequisite: Mathematics 1 and 2.

A year course. Continued in second semester.

Two hours. T., Th., 10:15.

9a. ESSENTIALS OF CALCULUS. Rates and limits; rules for differentiation; tangents and normals; maxima and minima; points of inflection; theorems of mean value; Taylor's theorem; curvature; definite and indefinite integrals; rules for integration; applications to finding volumes, center of gravity, moments of inertia, etc.

The traditional division of the Calculus into Differential Calculus and Integral Calculus has been largely disregarded in this course, but the principles of each are developed together. By this arrangement it is hoped the student will obtain a better grasp of the subject as a whole. The course is

designed to give the student the necessary foundation in the fundamentals of the subject, and so arranged that he may be led by easy steps into simple applications of the Calculus to physical and engineering phenomena.

Prerequisite: Mathematics 8. Must be taken with this course, if not previously taken.

A year course. Continued in the second semester.

Three hours. M., W., F., 10:15.

12a. THEORETICAL MECHANICS. Statics; motion of a particle under constant or varying forces; work and energy; motion of systems of particles under constant or varying forces; motion of rigid bodies.

Prerequisite: Mathematics 9.

A year course.

Three hours. M., W., F., 9:00.

SECOND SEMESTER COURSES

2. PLANE TRIGONOMETRY. This course covers the elementary theory of trigonometric functions and the elements of logarithms.

Three hours.

Section 1, M., W., F., 8:00.

Section 2, M., W., F., 1:15.

3b. MECHANICAL DRAWING. A continuation of the first semester course.

Three hours. M., T., Th., 2:15-4:15.

8b. ANALYTICAL GEOMETRY. A continuation of the first semester course.

Two hours. T., Th., 10:15.

9b. ESSENTIALS OF CALCULUS. A continuation of the first semester course.

Three hours. M., W., F., 10:15.

12b. MECHANICS. A continuation of course 12a.

Three hours. M., W., F., 9:00.

15. PLANE SURVEYING. This course is intended to fit the needs of those students who wish a general course in surveying. A study of the theory of land surveying, leveling, profile, triangulation and topographical work will be given. Practice in the use and adjustment of instruments. Care in proper field notes and office platting will be emphasized.

Prerequisite: Mathematics 2.

Three hours. Arranged on consultation.

ALTERNATE COURSES

10. ADVANCED CALCULUS. This course supplements Mathematics 9 and is devoted to the more advanced and difficult topics of the subject. Special attention is given to such topics as infinitesimals and differentials; partial differentiation; definite integrals over curves, surfaces and volumes; maxima and minima of two or more variables.

Prerequisite: Mathematics 9.

Three hours.

7. **DESCRIPTIVE GEOMETRY.** Problems relating to the point, line and plane; revolution and counter-revolution of objects; curved lines and surfaces; tangent planes; plane sections and development of surfaces.

One recitation and four hours' drawing.

Prerequisite: Mathematics 3.

Three hours.

14a. **SEMINARY.** This course is designed to discuss some of the problems and topics not usually given in class, and an investigation of some of the recent developments in Mathematics. Especial emphasis will be laid upon the presentation before the class of topics assigned to the students.

Open to juniors and seniors and, when deemed advisable, to sophomores.

One hour.

11. **DIFFERENTIAL EQUATIONS.** Derivation of differential equations; differential equations of first order and first degree; differential equations of first order and higher degrees; singular solutions; linear differential equations; special forms of differential equations of higher orders; simultaneous, differential equations; geometric and physical applications; Fourier series; infinite series.

Prerequisite: Mathematics 9.

Three hours.

BIOLOGY

PROFESSOR J. C. GILMAN

FIRST SEMESTER COURSES

1. **GENERAL BOTANY.** A general survey of the field of botany covering the elements of plant morphology and physiology. Typical forms from the more important plant groups, Thallophytes, Bryophytes and Spermatophytes, are studied in detail; their selection depending upon their importance in illustrating the development of plants from the evolutionary standpoint.

Five hours. T., Th., 8:00; Laboratory, M., W., F., 8:00-10:00 and 2:00-4:00.

3. **MORPHOLOGY OF PLANTS.** This course is intended to give the student a detailed view of the morphology and taxonomy of the different groups of the plant kingdom but especially with reference to the higher plants. Beside the work of the class room field trips acquaint the student with a more intimate knowledge of the habitats of different plants. These plants are later identified and studied in the laboratory.

Prerequisite: Course 1.

Text-book: Coulter Barnes and Cowles' "Text book of Botany", Volume 1, Part 1.

Five hours. W., 1:15; S., 8:00; Laboratory, M., W., F., 2:15-4:15.

12. **HEREDITY.** A lecture course discussing the facts and laws influencing variation and heredity, with especial emphasis on the Mendelian principles and their modern development in both the plant and animal kingdoms.

Prerequisites: Courses 1 and 2.

Text-book: Castle, "Genetics and Eugenics."

Two hours.

7. **BACTERIOLOGY.** This course is intended to familiarize the student with the biology of the bacteria in their general relations. Attention is given to the bacteriological technique and analysis, to the physiological activities of micro-organisms, and to the classification of these forms. The relation of these organisms to disease, to preservation of foods and to soil fertility is taken up.

Prerequisites: Courses 1 and 2.

Text-book: Morrey, "Fundamentals of Bacteriology".

Laboratory Guide: Frost, "Laboratory Bacteriology".

Five hours. T., Th., 10:15; Laboratory, hours by arrangement.

11. **JOURNAL CLUB.** A course to put the advanced students in touch with the biological research of the day. Reviews of the work reported in the current magazines are brought before the club for discussion.

Throughout the year.

One hour. T., 6:45 p. m.

SECOND SEMESTER COURSES

2. **GENERAL ZOOLOGY.** This course is complementary to Course 1 in General Botany. It is intended to give the student an idea of the anatomy, physiology, embryology and taxonomy of animal life; the emphasis in the laboratory being placed on the invertebrate types. The dissections and drawings in the laboratory are supplemented by a few field trips which enable the student to study the habitats of our native fauna at first hand.

Text-book: Hegner, "College Zoology".

Laboratory Guide: Pratt, "Invertebrate Zoology".

Five hours. T., Th., 8:00; Laboratory, M., W., F., 8:00-10:00 and 2:00-4:00.

6. **EMBRYOLOGY.** Work is confined to the embryology of the vertebrates, the chick serving as the chief type. The laboratory is provided with an incubator. The making of preparations from the egg at the different stages of development is part of the student's work in this course.

Prerequisites: Course 4 and 5.

Text-book: Lillie, "Development of the Chick".

Five hours. M., W., 11:15; Laboratory, M., T., Th., 1:15-3:15.

8. **PLANT PHYSIOLOGY.** This course is a study of the plant response and plant behavior. The relation of the plant to nutrition, transpiration, water-requirement, photosynthesis, growth and reproduction and its chemical and physical environment will be taken up both in the class room and in the laboratory. This course is especially planned for students intending to go on in botanical or agricultural work.

Prerequisites: Courses 1 and 3.

Text-book: Duggar, "Plant Physiology".

Five hours. T., Th., 2:15; Laboratory hours to be arranged.

4. **COMPARATIVE ANATOMY OF VERTEBRATES.** This course is designed to give an insight to the structure and development in the vertebrates. The frog is taken as the type and a complete study as far as is possible is made of its anatomical structure, the physiology and natural history being pointed out in connection with this study. After mastering the frog a comparative

study of the chief types of chordates is undertaken. Among the forms studied are necturus, perch, pigeon and one of the mammals.

Prerequisite: Course 2.

Text-book: Hegner, "College Zoology".

Laboratory Guide: Pratt, "Vertebrate Zoology".

Five hours. T., Th., 10:00.

11. JOURNAL CLUB. A continuation of the first semester course.

ALTERNATE COURSES

10. ANIMAL PHYSIOLOGY. A course corresponding to Course 8 for the advanced student in Zoology. Attention will be given to the fundamental principles underlying the functions of the animal body. Especial emphasis in the laboratory will be given to nutrition, respiration, and the reaction of muscle and nerve tissues to stimuli.

Prerequisites: Courses 2 and 4.

Text-book: Howell, "Text-book of Physiology".

Five hours. Hours to be arranged.

9. PLANT PATHOLOGY. A study of the diseases of plants. The relationships of the fungi and the bacteria that attack plants, their life history and methods leading to their control are studied both in the class room and in the laboratory.

Prerequisites: Courses 1, 3, and 8.

Text-book: Duggar, "Fungous Diseases of Plants".

Three hours.

5. HISTOLOGY. A study of the microscopic character of the various tissues and organs of animals. Study will be made of the technique of making histological preparations and their subsequent examination. This course is adapted to those anticipating a medical course.

Prerequisites: Courses 1, 2 and 4.

Text-book: Hill, "Manual of Histology and Organography".

Four hours. M., W., 11:15; Laboratory, T., Th., 1:15-3:15.

CHEMISTRY

PROFESSOR BARKER

A four-year course in chemistry is offered. The work of the department has been organized with the idea that a thorough knowledge of purely scientific chemistry is the best basis for future specialization in any branch of the subject. The following courses are, therefore, adapted not only for prospective chemists but also for those intending to become teachers, engineers, physicians, pharmacists, or agriculturists. The elementary courses may be taken with profit by those who have none of these ends in view, but who recognize chemistry as an important part of a liberal education and who wish to pursue it as a means of general culture.

FIRST SEMESTER COURSES

1. GENERAL CHEMISTRY. A study of elementary inorganic chemistry, including fundamental laws and theories, and the non-metallic elements and their compounds. Lectures, recitations, laboratory work.

Prerequisite: Elementary Physics.

Five hours. M., W., F., 11:15; Laboratory, M., F., 2:15-4:15 or T., Th., 8:00-10:00.

3. **QUANTITATIVE ANALYSIS.** The theory and practice of typical gravimetric analyses; stoichiometrical relations; and the application of the fundamental laws of chemistry to quantitative analysis. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 2.

Four hours. Th., 11:15; Laboratory, M., T., Th., 2:15-4:15.

5. **ORGANIC CHEMISTRY.** An introduction to the study of the compounds of carbon, with especial reference to the Aliphatic Series. In the laboratory typical hydrocarbons and their derivatives will be made and their reactions studied. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 4.

Five hours. M., W., F., 10:15; Laboratory, S., 8:00-12:00.

7. **CHEMISTRY OF FOOD AND NUTRITION.** Elementary physiological chemistry, including a thorough study of carbohydrates, fats, and proteins and the chemistry of digestion. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 6.

Three hours. W., 1:15; Laboratory, S., 8:00-12:00.

9. **ADVANCED CHEMISTRY.** Special work of an advanced nature, in inorganic, quantitative, organic, or physiological chemistry, will be offered to properly qualified students. Subjects assigned on consultation.

Hours to be arranged.

11. **JOURNAL CLUB.** A course for advanced students in chemistry who wish to become familiar with present-day research in the subject. The current literature will be consulted and each student in the course will be required to prepare and present reviews of articles from time to time.

One hour. Time to be arranged.

SECOND SEMESTER COURSES

2. **GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS.** A continuation of Chemistry 1. A study of the metallic elements and their compounds; and the qualitative analysis of metals and acids. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 1.

Five hours. W., F., 11:15; Laboratory, M., W., F., 2:15-4:15 or T., Th., S., 8:00-10:00.

4. **QUANTITATIVE ANALYSIS.** A continuation of Chemistry 3. Volumetric analysis of simple compounds, alloys, and minerals. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 3.

Four hours. Th., 11:15; Laboratory, M., T., Th., 2:15-4:15.

6. **ORGANIC CHEMISTRY.** The Aromatic Series. Lectures, recitations, laboratory work.

Prerequisite: Chemistry 5.

Four hours. M., W., 10:15; Laboratory, S., 8:00-12:00.

8. **PHYSIOLOGICAL CHEMISTRY.** Physiological chemical preparations; quantitative analysis of urine as an introduction to the study of metabolism.

Prerequisite: Chemistry 7.

Four hours. W., 1:15; Laboratory, Th., 2:15-4:15; S., 8:00-12:00.

10. **ADVANCED CHEMISTRY.** A continuation of Chemistry 9.

Hours to be arranged.

12. **JOURNAL CLUB.** A continuation of the work of the first semester.

One hour. Time to be arranged.

PHYSICS

PROFESSOR BARBER

FIRST SEMESTER COURSES

A. ELEMENTARY PHYSICS. An introductory course in physics for students who wish to become acquainted with the results, methods, and spirit of the science, whether they intend to pursue its study further, or wish an elementary knowledge of physics only as a matter of general information. This course is arranged primarily for students whose major subject is not science. The physical interpretation of principles is emphasized. College mathematics is not required.

Text-book: Kimball, "College Physics".

Three hours. T., Th., 8:00; Laboratory, W., 1:15-3:15.

1. **GENERAL PHYSICS.** Fundamental principles of physical science for those contemplating the study of any pure science, or engineering, or medicine, or teaching, or agriculture, are presented mainly from the experimental standpoint. The instruction in lectures, recitations, quizzes, problem papers and private readings is entirely concerned with the principles studied in the laboratory and the practical applications of the same. In this manner, a thorough grasp of foundation principles is obtained, by continually connecting theory and experiment.

The laboratory work is exclusively quantitative, the aim being to present the subject as a science of exact measurement. The apparatus is all modern, and much of it but recently designed for this particular line of work. With it, the student is put in touch with the methods and instruments of modern physical investigation.

Prerequisite: Trigonometry.

General reference text: Watson, "Physics", or Spinney, "A Text-book of Physics".

Text-book: Millikan, "Mechanics, Molecular Physics and Heat".

Five hours. T., Th., 9:00; Laboratory, M., W., F., 8:00-10:00 or M., W., F., 2:15-4:15.

3. **ADVANCED COURSE IN HEAT AND MOLECULAR PHYSICS.** The aim of this course is to give a comprehensive view of the science of heat in its theoretical and experimental aspects, including the elementary principles of Thermodynamics. It has been found to be of especial value as an introduction to the graduate courses in physical chemistry and mechanical engineering as offered in the universities and technical schools. The laboratory exercises consist of exact measurements in mercurial, air and resistance thermometry, calorimetry, mechanical equivalent of heat, coefficients of expansion and conductivity, vapor pressures and densities, freezing and boiling points, latent and specific heats, conductivity, hygrometry and pyrometry. Particular attention will be given to the errors peculiar to heat measurements and the elimination of the same.

Prerequisite: Courses 1 and 2. Calculus is advised but not required.

Text-books: Edser, "Heat for Advanced Students". Reference text: Preston, "Theory of Heat".

Four hours. T., Th., 11:15; Laboratory, M., F., 1:15-3:15 or S., 8:00-12:00.

5. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. This course discusses the fundamental principles of the mathematical theory of electricity and magnetism and their more important applications. It covers a wide range of general knowledge in electricity and magnetism and is required of students expecting to do graduate work in physics or electrical engineering. The text-book is supplemented by lectures.

Prerequisite: Courses 1, 2, and Calculus.

Text-book: Brooks and Poyser, "Magnetism and Electricity".

Course 5a is designed to accompany this course.

Three hours. M., W., F., 11:15.

5a. ELECTRICAL MEASUREMENTS. A laboratory course of systematic instruction in precise electrical measurements for students of Physics and Electrical Engineering.

Prerequisite: Courses 1, 2, and Calculus.

Text-books: Carhart and Patterson, "Electrical Measurements"; Parr, "Practical Electrical Testing in Physics and Electrical Engineering".

Two hours. Laboratory, M., F., 1:15-3:15 or S., 8:00-12:00.

7. COLLOQUIUM. At the weekly meetings the students present before the class, for informal discussion, subjects not treated in the class room, and reviews of articles appearing in the scientific journals. The course also aims to teach the student the efficient use of a reference library, and of the various indexes and catalogues. Each student is required to prepare a bibliography of some one physical subject. The work of the colloquium has an excellent effect in training students to present their ideas in a systematic manner before an auditory.

Open only to students who take their major in Science.

One hour. T., 3:15.

9. ADVANCED LABORATORY PRACTICE.

Prerequisites: Courses 1, 2, 3, and 4.

Two hours. Laboratory, M., F., 1:15-3:15 or S., 8:00-12:00.

SECOND SEMESTER COURSES

B. ELEMENTARY PHYSICS. A continuation of Course A.

Three hours as in Course A. T., Th., 8:00; Laboratory, W., 1:15-3:15.

2. GENERAL PHYSICS. A continuation of Course 1.

Text-book: Millikan and Mills, "Electricity, Sound and Light".

Five hours as in Course 1. T., Th., 9:00, Laboratory, M., W., F., 8:00-10:00 or 2:15-4:15.

4. ADVANCED COURSE IN LIGHT. Geometrical and Physical Optics will be treated in detail. Under the former head, some of the most important optical instruments will be studied; under the latter, the wave theory of light will be developed.

This course aims to be a practical and useful study of optics, as well as to give a careful scientific explanation of many optical phenomena of common experience. Spectroscopy, diffraction, dispersion, interference, and polarization will be discussed thoroughly in lecture and recitation, and this discussion followed by accurate measurements in the laboratory, which is thoroughly equipped for this work.

Prerequisite: Courses 1 and 2. Calculus is advised but not required.

Text-book: Edser, "Light for Students".

Reference text: Preston, "The Theory of Light".

Four hours. T., Th., 11:15; Laboratory, M., F., 1:15-3:15; or S., 8:00-12:00.

6. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. A continuation of course 5.

Three hours as in Course 5.

6a. ELECTRICAL MEASUREMENTS. A continuation of Course 5a.

Two hours as in Course 5a.

8. COLLOQUIUM. A continuation of Course 7.

One hour as in Course 7.

10. ADVANCED LABORATORY PRACTICE. A continuation of Course 9.

Two hours as in Course 9.

ALTERNATE COURSES

11. HISTORY OF PHYSICS. A course devoted to readings and discussions, in order that the student may become acquainted with the historical development of Physics.

Open only to juniors and seniors in Physics.

Text-book: Cajori, "History of Physics".

Reference text: Whewell, "History of the Inductive Sciences".

One hour. T., 3:15. This course will alternate with Course 7 or 8.

12. ELECTRON THEORY. This course will be concerned with the development of the so-called "machinery" of the electron theory. Particular attention will be given to the very recent literature of the subject contained in the scientific magazines. Many of the facts and theories of the "Kinetic Theory of Gases" will be shown to have a physical as well as a mathematical basis.

Prerequisite: Courses 1, 2, and 5.

Three hours. M., W., F., 11:15.

13. COURSE FOR TEACHERS. A course designed especially to meet the needs of students who expect to teach Physics in the secondary schools.

Prerequisite: Courses 1, 2, 3, and 4.

Two hours. Arranged on consultation.

PHYSICAL EDUCATION

MR. OLSEN; MISS BJORNSTAD

FOR MEN. (Mr. Olsen.) The work of this department is organized under the heads of representatives on teams, gymnasium work, and physical training. The department endeavors to set before the student ideals of clean sport and give a knowledge of and practice in the most approved principles

of physical education and organized athletic activity. All men in the college are expected to take part in some form of athletics if they are physically able. Students with specific defects will be given prescribed corrective work.

The regular work of the department is divided into three periods: fall, winter, spring.

1. FALL. Physical examinations. Elementary football practice: falling on the ball, charging, tackling, punting, catching punts, simple formations and signal practice. Inter-collegiate football. Tennis. Track. Cross country running.

2. WINTER. Basket-ball, track, gymnasium work.

3. SPRING. Track, baseball, tennis.

FOR WOMEN. (Miss Bjornstad.) The department aims at the promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness, and grace of movement. It includes (A) Lectures on hygiene, including the following subjects: Personal Hygiene, School Hygiene, Civic Hygiene, Sex Hygiene; (B) Physical training, including tactics and figure marching, free exercises with and without apparatus, folk dancing, esthetic gymnastics, apparatus work, games and plays, tennis, cross country walks.

NOTE: Each student is required to provide herself with a gymnasium suit consisting of the following articles: white middy blouse, black tie, bloomers of black serge, black stockings, and black slippers.

1. COURSE FOR FRESHMEN. Two hours. T., Th., 2:15.

2. COURSE FOR SOPHOMORES. Prerequisite: Course 1. Two hours. T., Th., 3:15.

3. COURSE OPEN TO JUNIORS AND SENIORS. Special attention is given to those who wish to become teachers. Practice teaching. Observation work in the public schools.

Prerequisite: Courses 1 and 2.

One hour. T., 4:15.

4. PLAY HOUR FOR FRESHMEN AND SOPHOMORES. One hour. Th., 4:15.

LIBRARY SCIENCE

MISS HARGRAVE

SECOND SEMESTER

1. LIBRARY COURSE FOR TEACHER-LIBRARIANS.

The purpose of the course is to qualify prospective teachers for supervision of school libraries. It is offered to meet the demand of the State Department of Public Instruction, that, beginning with the school year 1919-1920, or sooner, every high school employ a teacher-librarian.

Classification, cataloguing, book selection, reference work, library economy and administration, etc., will be studied and students will do practice work in the library.

The course is open to juniors and seniors, who intend to teach.

Two hours. M., W., F., 11:00.

ELEMENTARY LAW

MR. PEDRICK

FIRST SEMESTER COURSE

1. A study of the nature of law, its kinds and sources, the social utility of law and fundamental rights and obligations. Torts, contracts, crimes.

The work is based on the text of Hall's Fishback's Elementary Law. The purpose is to arouse and stimulate an interest rather than to prepare for professional study.

Not open to freshmen.

Two hours. T., Th., 9:00.

SECOND SEMESTER COURSE

2. Continuation of course 1, principally in the field of public law courts, remedies, etc.

Two hours. T., Th., 9:00.

COLLEGE BAND

MR. ZOBEL

The band has become a permanent organization. All students who play band instruments are eligible for membership, a reasonable degree of proficiency being the only requirement. The band furnishes music for the various athletic events and gives concerts at various times throughout the year.

First and Second Semesters.

One hour. Th., 4:30-5:30.

MILITARY SCIENCE AND TACTICS

RETIRED CAPTAIN SPRINGBORN

FIRST SEMESTER COURSE

1. MILITARY SCIENCE AND TACTICS. Practical and Theoretical Military Training. Military drill is required of all men at Ripon for the period of the war. No credit will be given in any of the College courses unless the requirements in military training are met satisfactorily.

Two hours. M., W., 4:30.

SECOND SEMESTER COURSE

2. MILITARY SCIENCE AND TACTICS. Continuation of Course 1.

Two hours. M., W., 4:30.

SCHEDULE OF RECITATIONS

FIRST SEMESTER 1918-1919.

Department	Course	Title	M	T	W	Th	F	S
Bible and Religion Logic	1	Theism	2	2		2		
	13	Logic			2	2		
	2a	Bible		11		11		
Philosophy and Education Dr. Mutch	P1	Method of Nature		9	9	9	9	
	P3	History of Ancient Philosophy	11		11		11	
	E7	Philosophy of Education		8	8	8	8	
	E9	Religious Education		11		11		
Classics Dr. Goodrich	G1	Homer	2	2		2	2	
	L A	Course for Beginners	10	10	10		10	
	L B	Cicero-Virgil	11	11	11	11		
	L 1	Livy	1	1		1	1	
	L 14	Cicero's Letters	8		8		8	
	1	Classical Archaeology		11		11		
German Professor Van Harlingen Acting Professor Schons	1	Freshman German	10	10	10	10		
	3	Sophomore German	9		9		9	
	5	Lessing-Schiller		3		3	3	
	7	Teacher's Course		1		1		
	A	Beginning German	11	11	11		11	
Romance Languages Associate Professor Heise	S 1	Elementary Spanish	1	1		1	1	
	F 3	Sophomore French	9		9		9	
	F 1	Elementary French (1)	10	10	10		10	
	F 1	Elementary French (2)	3	3		3	3	
	S 3	Second Year Spanish	11		11		11	
English Compo- sition and Public Speaking Professor Boody and Associate Professor Graham	C 1	Freshman Composition						
		Division 1	8		8		8	
		Division 2	9		9		9	
		Division 3		1		1	1	
	C 3	Exposition and Argument			10		10	
	C 5	Narration and Description		10		10		
	C 9	Argumentation	3		2-4			
	C 11	Public Speaking		3		3	3	
	C 13	The Oration		2		2		
	C 7	Newspaper Writing	8			10		
	C 15	The Acted Drama	2				2	
English Literature Professor Taintor	1	English Literature	8		8		8	
	5	Romantic Movement		2	2	2	2	
	3b	Shakespeare's Comedies		10	10	10	10	
	17	Aesthetics	1		1			
	9	The Bible as Literature		11		11		

FIRST SEMESTER 1918-1919—CONTINUED

Department	Course	Title	M	T	W	Th	F	S
History and Political Science Dr. Hearon	1	Mediaeval History	9	9	9	9		
	1	Mediaeval History	3	3		3	3	
	6a	Europe 1789-1871	11		11		11	
	10a*	Course for Teachers						
	5a	American History	1		1		1	
	7a	Oriental and Greek History	10	10		10	10	
Economics and Sociology Professor Fehlandt	E 2a	Economic History of England	11		11		11	
	E 1	Principles of Economics	1	1		1	1	
	S 7	Principles of Sociology		10	10	10	10	
	S 12	Seminary			1			
	S 9	Social Methods	2	2		2	2	
Mathematics Professor Woodmansee	1	Algebra (1)	8		8		8	
	1	Algebra (2)	1		1		1	
	3a	Mechanical Drawing	2-4	2-4		2-4		
	8a	Analytical Geometry		10		10		
	12	Mechanics	9		9		9	
	9a	Calculus	10		10		10	
Biology Dr. Gilman	1	General Botany		8		8		
	1	Laboratory (1)	8-10		8-10		8-10	
	1	Laboratory (2)	2-4		2-4		2-4	
	12	Heredity		1		1		
	7	Bacteriology		10		10		
	7*	Laboratory						
	3	Morphology of Plants			1			8
	3	Laboratory	2-4		2-4		2-4	
Chemistry Professor Barker	11*	Journal Club						
	1	General Chemistry	11		11		11	
	1	Laboratory (1)		8-10		8-10		
	1	Laboratory (2)	2-4					2-4
	3	Quantitative Analysis				11		
	3	Laboratory	2-4	2-4		2-4		
	5	Organic Chemistry	10		10		10	
	5	Laboratory						8-12
	7	Chemistry of Food and Nutrition			1			
	7	Laboratory						8-12
	9*	Advanced Chemistry						

*Arranged on Consultation.

SCHEDULE OF RECITATIONS

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FIRST SEMESTER 1918-1919—CONTINUED

Department	Course	Title	M	T	W	Th	F	S
Physics Professor Barber	A	Physics						
	A	Laboratory			1-3			
	1	Mechanics and Heat		9		9		
	1	Laboratory (1)	8-10		8-10		8-10	
	1	Laboratory (2)	2-4		2-4		2-4	
	3	Advanced Heat		11		11		
	3	Laboratory (1)	1-3				1-3	
	3	Laboratory (2)						8-12
	5	Electricity and Magnetism	11		11		11	
	5a	Electrical Measurements (1)	1-3				1-3	
	5a	Electrical Measurements (2)						8-12
	7	Colloquium		3				
Physical Education Men—Mr. Olsen		Freshmen Sophomores	11:15			11:15 11:15	11:15	
Physical Education Women Miss Bjornstad		Freshmen Sophomores Juniors		2:15 3:15 4:15		2:15 3:15		
Law Mr. Pedrick		Elementary Law		9		9		
Band Mr. Zobel		Band				4:30		
Military Science and Tactics Retired Captain Springborn		Military Science and Tactics	4:30		4:30			

SECOND SEMESTER 1918-1919.

Department	Course	Title	M	T	W	Th	F	S
Bible and Religion	2	Bible		11		11		
	4	Ethics		2		2		
	5	Christian Missions			2			
Education and Philosophy Dr. Mutch	P 2	Philosophy		9	9	9	9	
	P 4	History of Modern Philosophy	11		11		11	
	E 11	Psychology	3	3		3	3	
	E 8	High School Teaching		8	8	8	8	
Classics Doctor Goodrich	G 2	Homer	2	2		2	2	
	L A	Course for Beginners	10	10	10		10	
	L B	Virgil	11	11	11	11		
	G 10	Mythology in Greek Literature				3	3	
	L 2	Horace	1	1		1	1	
	L 10	Virgil	8		8		8	

SECOND SEMESTER 1918-1919—CONTINUED.

Department	Course	Title	M	T	W	Th	F	S
German	2	Freshman German	10	10	10		10	
Professor	4	Sophomore German	9		9		9	
Van Harlingen	6	Goethe		3		3	3	
and	8	Course for Teachers		1		1		
Acting Professor	A	Beginning German	11	11	11		11	
Schons	10*	German Conversation						
Romance	F 2	Elementary French (1)	10	10	10		10	
Languages	F 2	Elementary French (2)	3	3		3	3	
Associate	F 4	Sophomore French	9		9		9	
Professor	S 2	Elementary Spanish	1	1		1	1	
Heise	S 4	Second Year Spanish	11		11		11	
English Composi- tion and Public Speaking	C 1	Freshman Composition Division 1	8		8		8	
		Division 2	9		9		9	
		Division 3		1		1	1	
Professor	C 4	Exposition and Argument			10		10	
Boody	C 6	Narration and Description		10		10		
and								
Associate	C 10	Argumentation	3		2-4			
Professor	C 12	Public Speaking		3		3	3	
Graham	C 8	Newspaper Writing	8			10		
	C 14	The Oration		2		2		
	C 16	The Acted Drama	2				2	
English Literature	3a	Shakespeare's Tragedies	10		10		10	
	13	Greek Mythology in English Literature	3	3				
Professor Taintor	1a	English Literature	8		8		8	
	11*	English Research						
	6	Age of Tennyson	2	2		2	2	
	12a	Course for Teachers			2			
	9a	The Bible as Literature		11		11		
History	2	Modern History (1)	9	9	9	9		
	2	Modern History (2)	3	3		3	3	
Dr. Hearon	6b	Europe 1871-1915	11		11		11	
	5b	American History	1		1		1	
	7b	Roman History	10	10		10	10	
	10b*	Course for Teachers						
Economics	E 2b	Economic History of the U. S.	1	1		1	1	
and Sociology	E 3	Money Credit and Banking		2		2	2	
Professor	E 6	Transportation		9	9	9		
Fehlandt	S 8	Applied Sociology	10		10		10	
	S 10	American Society	11		11		11	

*Arranged on Consultation.

SCHEDULE OF RECITATIONS

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SECOND SEMESTER 1918-1919—CONTINUED

Department	Course	Title	M	T	W	Th	F	S
Mathematics Professor Woodmansee	15*	Surveying						
	2	Plane Trigonometry (1)	8		8		8	
	2	Plane Trigonometry (2)	1		1		1	
	3b	Mechanical Drawing	2-4	2-4		2-4		
	8b	Analytical Geometry		10		10		
	9b	Calculus	10		10		10	
	12	Mechanics	9		9		9	
Biology Dr. J. C. Gilman	2	General Zoology		8		8		
	2	Laboratory (1)	8-10		8-10		8-10	
	2	Laboratory (2)	2-4		2-4		2-4	
	6	Embryology	11		11			
	6	Laboratory	1-3	1-3		1-3		
	8	Plant Physiology		2		2		
	8*	Laboratory						
	4	Vertebrate Zoology		10		10		
	11*	Journal Club						
Chemistry Professor Barker	2	Qualitative Analysis			11		11	
	2	Laboratory (1)	2-4		2-4		2-4	
	2	Laboratory (2)		8-10		8-10		8-10
	4	Analytical Chemistry				11		
	4	Laboratory	2-4	2-4		2-4		
	6	Organic	10		10			
	6	Laboratory					8-12	
	12*	Journal Club						
	8	Physiological Chemistry			1			
	8	Laboratory Advanced Chemistry				2-4		8-12
Physics Professor Barber	B	Elementary Physics		8		8		
	B	Laboratory			1-3			
	2	Electricity-Light		9		9		
	2	Laboratory (1)	8-10		8-10		8-10	
	2	Laboratory (2)	2-4		2-4		2-4	
	4	Light		11		11		
	4	Laboratory (1)	1-3				1-3	
	4	Laboratory (2)						8-12
	8	Colloquium		3				
	10*	Advanced Laboratory Practice						
	6a	Electrical Measurements (1)	1-3				1-3	
	6a	Electrical Measurements (2)						8-12
	6	Electricity and Magnetism	11		11		11	
Physical Education Men—Mr. Olsen		Freshmen	11:15			11:15		
		Sophomores			11:15		11:15	

*Arranged on Consultation.

SECOND SEMESTER 1918-1919—CONTINUED.

Department	Course	Title	M	T	W	Th	F	S
Physical Education		Freshmen		2:15		2:15		
Women		Sophomores		3:15		3:15		
Miss Bjornstad		Juniors		4:15				
Miss Hargrave	1	Library Science	11		11		11	
Law		Elementary Law		9		9		
Mr. Pedrick								
Military Science and Tactics		Military Science and Tactics						
Retired Captain Springborn			4:30		4:30			
Band		Band					4:30	
Mr. Zobel								

The School of Music

FACULTY

ELIZABETH BATTLE BINTLIFF, A.M.
Professor of Music and Director of the School.
Piano—Pipe Organ

ESTELLA HALL READE,
Instructor in Vocal Music.
Teacher of Public School Music Methods.

ESTHER ELLEN DARROW
Instructor in Piano, Pipe Organ, Theory and History of Music
and Musical Appreciation

HARRIET ELVIRA GIBBS,
Instructor in Piano

ANTON KLEIN
Instructor in Violin

LOUISE STANTON THOMAS
Instructor in Violin

The School of Music offers extended courses in the practical and theoretical study of music, designing to fit students for the professional musical life. The special purpose of instruction is to produce musicians who shall combine sound intellectual training with symmetrical development of the musical faculties. To this end all its work is planned. The regular courses are for those who wish to complete work leading to graduation; but those who wish to pursue only partial courses are also admitted. Preparatory courses have been arranged for piano, violin, and voice, so that the student who is only a beginner may find opportunity for study. The emphasis will be placed on thoroughness of work, whether in the elementary or in the advanced grade.

Courses in Applied Music, Theory, History and Appreciation of Music as outlined will be credited as college electives. The maximum amount of credit allowed toward the degree of Bachelor of Arts is twenty hours.

COURSES OF STUDY

The following outlines of courses of study in the several departments of the School of Music may be varied to meet the needs of individual students.

PIANOFORTE

Preparatory Course

Studies in position and touch. Elementary technic. Major and minor scales in slow practice. Etudes by Burgmüller, Brünner, Duvernoy, Heller, Lecoupepy, Loeschhorn, Schytte. Sonatinas by Clementi, Kuhlau, Reinecke, and others. Pieces to suit the grade.

First Year

Mason Technic, major and minor scales and arpeggios. Etudes by Loeschhorn, Czerny, Schytte, Heller, Bach Little Preludes and Fugues; Sonatas by Haydn, Mozart. Modern pieces. Memorizing.

Second Year

Mason Technic. Etudes by Cramer, Turner, Bach Inventions. Sonatas by Mozart, Beethoven, Weber. Songs without Words, Mendelssohn. Pieces by Schumann, Chopin, Schubert, Raff, Grieg, Godard, Chaminade. Memorizing.

Third Year

Scales in double thirds and sixths. Kullak's Preparatory Octave School. Etudes by Moscheles. English Suites, Bach; Sonatas by Schubert, Weber, Beethoven; Fantasias, Impromptus, etc., by Raff, Mendelssohn, Schubert, Chopin, Schumann; Concertos by Mozart and Mendelssohn. Concert pieces by Rubinstein, Grieg, Moszkowski, MacDowell, Godard, Schytte, Schuett, Sinding. Memorizing.

Fourth Year

Kullak's Octave School. Clementi's Gradus ad Parnassum. Etudes by Chopin, Henselt, etc. Preludes and Fugues, Bach, Sonatas and Concertos by Beethoven, Chopin, Grieg, MacDowell, Saint-Saëns, etc. Concert pieces by Liszt, Chopin, Schumann, Rachmaninoff, Alkan, Arensky, and other modern composers. Memorizing.

ORGAN

First Year

Douglas, Rink and Dunham, Organ Schools.

Buck Pedal Phrasing Studies. Bach, Little Preludes and Fugues. Trios by Rheinberger. Easy pieces by Guilman, Merkel, Batiste.

Second Year

Rink and Whiting, Preludes and Postludes. Bach, Preludes and Fugues. Sonatas by Guilmant, Rheinberger, etc. Mendelssohn, Preludes and Fugues. Modern pieces.

Third Year

Bach Chorales, Preludes and Fugues. Sonatas by Guilmant, Rheinberger, Mendelssohn. Modern pieces.

Fourth Year

Bach Trios, Preludes and Fugues. Sonatas by Mendelssohn, Rheinberger, etc. Concert pieces by classic and modern composers. Practical work in accompanying church services and oratorios.

VIOLIN

First Year

Method or School selected according to age and talent of student. Studies by Hofmann, Wohlfahrt, Hermann. Easy Pieces and Duets by Pleyel, Papini, Dello, Lehman, etc. Particular attention given to correct position, intonation, tone, and bowing.

Second Year

Continuation of First Year Method. Scale Studies by Schradieck and Blumenstengel. Etudes by Kayser, Dont and Mazas. Simple sonatas. Solos by Leonard, Dancla, Böhm, Demuth, Sitt, Elgar.

Third Year

Schradieck's School of Technic. Etudes by Kreutzer and Fiorillo. Sonatas by Mozart. Solos by Alard, Drdla, De Beriot, Wieniawski, Danbe.

Fourth Year

Caprices of Rode. Concertos of Viotti, Rode, De Beriot, Spohr. Solos by Sarasate, Bruch, Dvorák, Vieuxtemps, and modern composers.

VOICE

The aim of this department is to perfect vocal technique, expression and interpretation.

1. The establishment of a pure tone in which there shall be resonance, volume, flexibility and expression. This pure tone is to be acquired by means of perfect breath control, open throat and equalization of registers.
2. A perfect blending of tone and word which results in clear-cut enunciation desired by performer and listener.
3. The art of phrasing; versatility in style.
4. Interpretation of songs, sacred and secular, and of arias from oratorios and operas.

First Year

Tone-placing and blending of registers—Dr. E. Miller's Vocal Art-Science; Dr. Edward S. Kimball's Exercises; Henneman's 101 Exercises; Sieber's Op. 92-96.

Vowel and consonant work—Vaccai Italian Exercises; Sieber, Op. 92-96 and Dora Duty Jones' Lyric Diction Exercises.

Flexibility—Lutgen Exercises in Velocity; Sieber, Op. 42-43; Marzo's Preparatory Course.

Phrasing—Marzo Preparatory and Concone, Op. 9; Easy songs for application of principles learned.

Second Year

Marzo, Book 1; Sieber, Op. 45; Marchesi Exercises; Sieber, Op. 30-35; Concone, Op. 10; Songs of the classical school and of the best modern composers.

Third Year

Marzo, Art of Vocalization, Books II, III; Sieber, Op. 30-35; Concone Op. 12; Study of the classics and arias from oratorios.

Fourth Year

Bordogni, II, III; Aprile Exercises. Concert songs from classic and modern composers. Arias from the operas of German, Italian and French Schools.

THEORY AND HISTORY OF MUSIC

The aim of the courses in these branches of music education is to give the student an intelligent conception of music as a science, aiding him to become a musician capable of understanding and interpreting a wide range of music, and to lay a broad foundation for later studies which he may undertake in the field of composition. This work will be given in classes only. The outline of the course is as follows:

FIRST SEMESTER COURSES

A. ELEMENTARY THEORY. Sight reading; study of intervals; notation and terminology.

Throughout the year, one hour.

Prerequisite for credit courses.

1. CHORAL MUSIC. Advanced sight reading.

Prerequisite for 2. One hour, but no credit given first semester.

3a. EAR TRAINING. This course is required with 3 and is prerequisite for credit in 3.

Two hours.

3. SCIENCE OF HARMONY. Scales; intervals; chords; inversions; modulations; harmonizing of melodies.

Prerequisites: A and 1.

Two hours.

5. ADVANCED HARMONY. Mixed and altered chords; enharmonics; extraneous modulation; extended work in harmonization.

Prerequisites: A, 3, and 4, 3a and 4a.

Two hours.

7. ANALYSIS OF MUSICAL FORM. A detailed study of form in music, analyzing its development from the figure through the Symphony.

Two hours.

9. COUNTERPOINT. Writing in the various species in two, three, four, and five parts. Imitation; sequences; the invention and fugue in two parts.

Prerequisites: A, 3, 4, 3a, 4a, 5, and 6.

Two hours.

11. APPRECIATION OF MUSIC. This course will include the study of the principles of musical form, the development of music into its various branches, the stories of the standard operas and oratorios, and some analytical study of the larger instrumental compositions for piano, violin, and orchestra; such as the sonata, overture and symphony. Lectures and illustrations. The Victrola is used. The purpose of the course is to awaken and develop the faculty of listening.

Two hours.

13. HISTORY OF MUSIC. From the Greeks and Romans to the Beethoven period.

Two hours.

15. PRACTICAL MUSIC. This course includes individual instruction in piano, organ, violin, or voice and choral music.

SECOND SEMESTER COURSES

2. CHORAL MUSIC. Preparation and performance of standard cantatas and oratorios.

One hour.

4a. EAR TRAINING. Continuation of 3a. Required with 4 and prerequisite for credit in four.

Two hours.

4. SCIENCE OF HARMONY. Continuation of 3.

Prerequisites: 3, 3a and 4a.

Two hours.

6. ADVANCED HARMONY. Continuation of 5.

Prerequisites: 5.

Two hours.

8. ANALYSIS OF MUSICAL FORM. Continuation of 7.

Prerequisite: 7.

Two hours.

10. COUNTERPOINT. Continuation of 9.

Prerequisite: 9.

Two hours.

12. APPRECIATION OF MUSIC.

Two hours.

14. HISTORY OF MUSIC. Continuation of 13. From the Beethoven period to the Ultra-Modernists.

Two hours.

16. PRACTICAL MUSIC. Continuation of 15.

PUBLIC SCHOOL MUSIC

This course provides instruction for those students who wish to become teachers or supervisors of music in the public schools. It may be completed in two years.

In order to enter upon this course, a student must have completed a High School course and have ability to play at sight the average school songs.

First Year

COURSE A.—Sightreading, Study of Intervals, Notation and Terminology.

3a, 4a.—Ear Training.

1, 2.—Advanced sight-reading choral class, including the study of standard cantatas and oratorios.

3, 4.—Harmony, first year.

13, 14.—Musical History. Voice Culture and Piano.

Second Year

Methods of Teaching. Practice Teaching.

5, 6.—Harmony, second year.

7, 8.—Analysis of Musical Form.

11, 12.—Musical Appreciation. Education. Voice Culture and Piano.

METHODS OF TEACHING

Progressive Music Series.

New Educational Music Course.

Modern Music Series.

The developing purpose of School Music is the correlation of music with other studies in the school curriculum. Care of the child voice. Correct position of the body. Breathing exercises. Voice placing and development. Relation between the speaking and singing voice. Tonal quality. Monotones and how to help them. General directions for daily use. Rhythm and its study. Beating time. Use of the baton, pendulum and metronome. Tone thinking. Visualizing. How to see with the ear. Individual work. Psychology of sight-singing. Care of the voice as related to part-singing. Rules for selection of voices for part-singing. Grade outlines with songs for Primary, Intermediate and High Schools. Difficulties of the Supervisor in the High School. Relation of Supervisor to the Superintendent and teachers. Music and its power of discipline. Professional reading.

Observation work in the schools, choirs and choral club of the city of Ripon.

Practice teaching in the Ripon City Schools.

REQUIREMENTS FOR GRADUATION

A Diploma is granted on the completion of any single four-year course as outlined, for Piano, Organ, Violin, or Voice. In addition the student must have completed the three years course in Theory, which includes courses A, 1, 2, 3, 3a, 4, 4a, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.

Candidates for graduation must have completed academic work equivalent to a high school course and including the following subjects:

History 2 units, Science 1 unit, Algebra 1 unit, German 2 units, French 1 unit, English 3 units. In addition to these subjects, English C1 and Public Speaking 10 are required.

A certificate of entrance credits should be sent in advance, or presented at time of entrance.

Students must give a public recital, during the last year, of each course which they complete.

Degree of Bachelor of Music

The Board of Trustees of Ripon College confer the degree of Bachelor of Music upon students who meet the following conditions:

The requirements for entrance are the same as for College entrance. The practical preparatory musical work must be completed to the work of the first year as outlined in the Catalogue. Two courses in practical music must be pursued, one of which must be the piano. The other course may be either organ, violin, or voice, as elected. The student will be required to do three years' work in the Theory and History of Music, and to carry four hours' work in some College subject each semester for the four years it takes for graduation. The Freshman English is required. Beyond that the student may elect his literary work.

DAY PUPILS

To meet the demands for music instruction on the part of the residents of Ripon and vicinity, who have no time or desire to take any of the regular courses, or to take studies in the College, the following arrangements may be made: Pupils will be received from their homes, and shall simply report to the teacher for instruction at appointed hours, and have no further connection with the School. Tuition will be the same as for the other students of the School of Music.

Musical activities are planned which will be of interest and profit. The School of Music aims to be a center of the musical life in Ripon. Everything of real value pertaining to the subject of musical education and advancement will be considered and encouraged by the Director.

TUITION AND EXPENSES

In the matter of expenses, a School of Music in a small city like Ripon has great advantages to offer over those in larger cities. The expenses of living are less, for both teacher and pupil. The best instruction can be given, at prices which could not be offered in a larger place. The cost of board and room is very reasonable, as compared with prices in many cities.

Tuition, per semester, payable in advance.

Two private lessons per week, thirty minutes each:

Piano	\$50.00
Pipe Organ	55.00
Voice	50.00
Violin	25.00

One private lesson per week, forty-five minutes:

Violin	\$20.00
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Classes in Theory, Appreciation of Music and History, Choral Work.

Course A is open to all students of the College and of the School of Music, free of charge.

Courses I and II. This class is open to students of the College, School of Music, and also to citizens of Ripon, who enjoy the study of the Standard Cantatas, Masses or Oratorios.

Tuition per semester:

1st Year Harmony and Ear Training.....	\$15.00
2nd Year Harmony and Analysis.....	15.00
Counterpoint.....	7.50
History of Music.....	7.50
Appreciation of Music.....	7.50
Methods of Teaching Public School Music, in class	10.00

Use of Piano for Practice:

One hour a day, per semester.....	\$ 4.50
Two hours a day, per semester.....	7.50
Additional hours, each, per semester....	1.50
Use of the Church organ, for practice, per hour25

A student of the School of Music may take college subjects at the following rate of tuition:

One course will be eight dollars; each additional course at the rate of two dollars for each semester hour of work.

A payment of five dollars on the student's bill is required at the time of registration. This amount will not be refunded.

A fee of \$2.00 for Artist's recitals is charged each music student. This fee covers the price of tickets to all recitals and concerts of the School of Music, excepting the Oratorio Concerts.

All students of the School of Music are required to attend these concerts, and all student recitals unless excused by the Director.

By student vote, a fee of \$4.50 per semester is charged all except day pupils, to cover the following charges: Subscrip-

tion to College Days, gymnasium fees, and tickets admitting to all athletic and forensic contests.

Rooms may be rented in the dormitories for from \$18.00 to \$30.00 per semester. Board can be obtained at the Commons for \$4.50 per week. Other boarding places can be found, where prices are reasonable. All bills for tuition must be paid at the beginning of the semester, or special arrangements made with the Director.

This must be done, and the name registered, before lessons can be assigned. No deduction will be made for absence from lessons except in cases of illness of two weeks or more, when the loss will be shared equally by the School of Music and the student, on the written order of the Director. All non-resident students of the School of Music are subject to the regulations of the College.

MISCELLANEOUS ITEMS

No prices will be made by the lesson or for any time less than a half semester.

Pupils from out of town may arrange for an hour lesson once a week instead of half hours twice a week.

Pianos for practice can be rented at the School of Music or elsewhere in Ripon.

No student of the School of Music will be allowed to take a musical part in any public exercises without permission from his teacher.

Semesters of the School of Music commence with those of the College, and its holidays are the same as those observed by the College.

All persons desiring musical instruction are encouraged in every possible way; graduates and others who have been students of Ripon School of Music will be recommended to fill suitable positions whenever it can be conscientiously done.

Board of Trustees

OFFICERS

*SILAS EVANS, *President of the College, ex-officio President.*

MISS SHIRLEY FARR, *Vice-President.*

SAMUEL M. PEDRICK, *Secretary.*

JOHN W. WRIGHT, *Treasurer.*

TERM EXPIRES 1918

O. H. INGRAM, Eau Claire.

Lumberman and Banker.

FREDERICK W. UPHAM, Chicago, Ill.

President of Board of Review, Cook County, Illinois; of Upham & Agler; of Wisconsin Oak Lumber Company; and of City Fuel Company.

W. H. HATTON, New London.

Lumberman and Manufacturer.

MISS SHIRLEY FARR, Chicago, Ill.

Department of History, The University of Chicago.

D. D. SUTHERLAND, Fond du Lac.

Lawyer.

WILLIAM R. DAWES, Chicago, Ill.

First Vice-President Central Trust Company of Illinois.

FRANK J. HARWOOD, Appleton.

Manufacturer.

TERM EXPIRES 1919

JOHN W. WRIGHT, Ripon.

President Ripon Knitting Works.

FREDERICK SPRATT, Ripon.

Cashier First National Bank.

FRANK K. SANDERS, Topeka, Kansas.

President Washburn College.

MRS. HARRIET H. ROBERTSON, Milwaukee.

ARTHUR E. LEONARD, Eau Claire.

Pastor First Congregational Church.

JAMES L. STONE, Ripon.

Cashier German National Bank.

*Resigned August 1, 1917. Now President of Occidental College, Los Angeles, California.

- W. B. FOSTER, Ripon.
President Mattice-Foster Co.
 E. J. BARRETT, M. D., Sheboygan.
 PAUL J. THOMPSON, Minneapolis.
Lawyer.

TERM EXPIRES 1920

- WILLIAM J. MUTCH, Ripon.
Professor Ripon College.
 SAMUEL M. PEDRICK, Ripon.
Lawyer.
 FRED W. ROGERS, Milwaukee.
Real Estate and Insurance.
 L. H. KELLER, Madison.
General Superintendent Wisconsin Congregational Association.
 J. B. BARLOW, JR., Ripon.
President, Barlow & Seelig Manufacturing Co.
 F. A. CHADBOURN, Columbus.
President First National Bank.
 JOHN DAVIES, Racine.
Pastor Welsh Presbyterian Church.

STANDING COMMITTEES

- Executive Committee:* MESSRS. J. L. STONE, SAMUEL M. PEDRICK, F. SPRATT, J. W. WRIGHT, W. B. FOSTER, J. B. BARLOW, JR., and W. J. MUTCH.
Committee on Instruction: MISS FARR, MESSRS. SANDERS, ROGERS, MRS. ROBERTSON, and P. J. THOMPSON.
Committee on Grounds and Buildings: MESSRS. FOSTER, STONE, BARLOW, AND BARRETT.
Auditing Committee: MESSRS. SUTHERLAND AND CHADBOURN.
Committee on Investments: MESSRS. WRIGHT, PEDRICK, SPRATT, AND STONE.
Committee on Honorary Degrees: MESSRS. MUTCH, HARWOOD, KELLER, and A. E. THOMPSON.
Special Committee on Finance and Endowment: MR. INGRAM, MISS FARR, MESSRS. DAWES, UPHAM, AND CHADBOURN.

The President of the College is, ex-officio, member of all committees.

College Preachers and Lecturers

- REVEREND HARRY P. DEWEY, D.D.,
Minneapolis, Minnesota.
- REVEREND EDWIN F. SHAW, D.D.
National Council of Congregational Churches.
- REVEREND HARRY FOSTER BURNS,
Pastor of the Congregational Church, Oshkosh.
- REVEREND HARDING R. HOGAN,
Pastor of the Congregational Church, Sparta.
- PRESIDENT ELLEN C. SABIN, A.M., LITT.D.,
Milwaukee-Downer College.
- PRESIDENT JOSEPH D. BROWNELL,
Northland College.
- REVEREND EDWARD RALPH,
Congregational Church, Green Bay.
- PRESIDENT JULIA HENRIETTA GULLIVER, PH.D., LL.D.,
Rockford College.
- REVEREND CHARLES E. EWING,
Congregational Church, Janesville.
- PRESIDENT WILBUR OSCAR CARRIER, D.D.,
Carroll College.
- REVEREND HENRY A. ATKINSON, D.D.,
Social Service Secretary of the Congregational Education Society, Boston.
- REVEREND FRANK M. SHELDON,
General Secretary of the Congregational Education Association, Boston.
- REVEREND CARLOS C. ROWLISON,
Congregational Church, La Crosse.
- REVEREND ROBERT A. WOODS, D.D.,
President of the National Conference for Social Work.
- REVEREND HENRY COE CULBERTSON, D.D., LL.D.,
Food Conservation Department of the United States Government.
- CHARLES RUSSELL BARDEEN, B.A., M.D.,
Dean of the Medical School, University of Wisconsin.

- WILLIAM AMASA SCOTT, PH. D., LL. D.,
Director of the Course in Commerce, University of Wisconsin.
- KIRK LESTER HATCH, B. S.,
Assistant Director of Agricultural Extension, University of Wisconsin.
- MARTIN HENRY HAERTEL, PH. D.,
Assistant Professor of German, University of Wisconsin.
- PAUL F. VOELKER, A. M.
Extension Service, University of Wisconsin.
- FREDERICK EUGENE TURNEAURE, C.E., DR. ENGR.,
Dean of the College of Engineering, University of Wisconsin.
- HARRY SAWYER RICHARDS, LL.B., LL.D.,
Dean of the Law School, University of Wisconsin.
- CLARENCE BROWN LESTER, M.A.,
*Department of Special Legislative Library Training,
University of Wisconsin.*
- LEWIS CHASE, PH.D.,
Department of English, University of Wisconsin.
- W. E. BAKER,
Secretary of the National Intercollegiate Prohibition Association.

Faculty and Other Officers of Instruction and Government, 1917-18

THE COLLEGE

*SILAS EVANS, D.D., LL.D., 309 Seward Street.

President, and Professor of Biblical Literature and Philosophy of Religion.

A. B., Ripon College, 1898; A. M., Princeton University, 1900; B. D., Princeton Seminary, 1901; D. D., Carroll College, 1911; Middlebury College, 1913; LL. D., Lawrence College, 1912; Professor of Philosophy, Hastings College, 1901-3. Professor of Philosophy and Pastor of the College Church, Park College, 1903-9. Professor of Hebrew Literature, University of Wisconsin, 1909-10. Ripon College, 1910.

WILLIAM HARLEY BARBER, A. M., 318 Thorn Street.

Dean, Professor of Physics, and Acting President.

B. S., University of Wisconsin, 1901; A. M., University of Wisconsin, 1909. Assistant Principal Ripon High School, 1901-4; Principal Ripon High School, 1904-5. United States Department of Commerce and Labor, Bureau of Standards, Washington, D. C., 1905-6. Graduate Student, University of Chicago, summer terms, 1911-13, and year 1913-14. Dean, January, 1915. Ripon College, 1906.

JESSE FOX TAINTOR, A.B., 616 Ransom Street.

Professor of English Literature.

A. B., Ripon College, 1873. Andover Theological Seminary, 1875-8. Pastorates in Iowa, 1878-83; Rochester, Minn., 1886-1903. Graduate Student Chicago University, 1903, 1905. In Europe for study and travel, 1911-12. Ripon College, 1905.

WILLIAM JAMES MUTCH, PH.D., 221 Watertown Street.

Professor of Philosophy and Education.

A. B., University of Wisconsin, 1882; B.D., Yale Divinity School, 1885; Ph. D., Yale University, 1894. Lecturer in Pedagogy, Yale Divinity School, 1900-2. Pastor of Howard Avenue Congregational Church, New Haven, Conn., 1885-1907. Ripon College, 1907.

ELIZABETH BATTLE BINTLIFF, A.M., 650 Woodside Avenue.

Professor of Music and Director of the School of Music.

Student, Oberlin Conservatory of Music. Organ Pupil, Fenelon B. Rice and Clarence Eddy. Piano Pupil, George W. Steel and William H. Sherwood. Theory Pupil, George W. Chadwick and Frederic Grant Gleason. Studios in Janesville, Wis., and Chicago, Ill. Organist, St. Paul's Episcopal Church, Milwaukee, and Leavitt Street Congregational Church, Chicago, Ill. Professor of Music and Director of Conservatory of Music, Olivet College, 1893-1909. A. M., Olivet College, 1902. Ripon College, 1909.

*Resigned August 1, 1917. Now President of Occidental College, Los Angeles, California.

†EDNA VAN HARLINGEN, A.B., Lincoln Street.

Professor of German.

Ph. B., National Normal University, Lebanon, Ohio, 1906; A. B. Vassar College, 1911; Latin and German, Bloomfield Normal School, Bloomfield, Iowa, 1907; Latin and German, Miamisburg High School, Miamisburg, Ohio, 1908; Instructor in Classics, Ripon College, 1912 Graduate work, University of Chicago, 1915. Ripon College, 1916.

GRACE GERTRUDE GOODRICH, Ph.D., Lincoln Street.

Professor of Classics.

A. B., Ripon College, 1906; A. M., 1907; Ph. D., University of Wisconsin, 1913. Teacher of Latin and English, Wabash, Minn., 1907-9. Student, American School of Classical Study at Rome, 1909-10. Graduate Student, University of Wisconsin, 1910-11. Graduate Student, Bryn Mawr College, 1911-12. Assistant in Latin, University of Wisconsin, 1912-13. Ripon College, 1913.

JOSEPHINE RUTH HARGRAVE, A.B., 415 Thorn Street.

Librarian.

A. B., Ripon College, 1906. S. B., Simmons College Library School, Boston, Massachusetts, 1909. Librarian Public Library, Dickinson, North Dakota, 1909-14. Ripon College, 1914.

WILSON ROBB WOODMANSEE, A. M., 649 S. Grove Street.

Professor of Mathematics and Registrar.

A. B., Indiana University, 1902; A. M., University of Wisconsin, 1914. Principal of High School, Sycamore, Indiana, 1898-1900. Mathematics, Winona Academy, Winona Lake, Indiana, 1902-8; Professor of Mathematics, William and Vashti College, Aledo, Illinois, 1908-13. Graduate Student, University of Indiana, summer of 1909; Graduate Student, University of Wisconsin, summers 1912-14-15, and year 1913-14. Assistant in Mathematics, University of Wisconsin, 1913-14. Ripon College, 1914.

AUGUST FREDERICK FEHLANDT, B.D., Lincoln Street.

Professor of Economics and Sociology.

A. B., University of Wisconsin, 1891. Student at Princeton University and Seminary, 1891-92. B. D., Yale University, 1894. Twenty years in the pastorate, in literary, editorial and platform work. Ripon College, 1914.

HENRY PHILLIPS BOODY, A.B., 621 Ransom Street.

Professor of English Composition and Public Speaking.

A. B., Bowdoin College, 1906; Sub-master and Head of the Department of English, Norway High School, Maine, 1906-8; Head of the Department of English, Maine Wesleyan Seminary and College, Kent's Hill, Maine, 1908-12; Vice-principal and Professor of English, Maine Wesleyan Seminary, 1912-15. In Europe for study and travel, 1914. Columbia University Summer Sessions, 1915 and 1917. Ripon College, 1915.

†On leave of absence, second semester.

JOSEPH CHARLES GILMAN, PH.D., Houston Street.

Professor of Biology.

B. S., University of Wisconsin, 1912; M. S., University of Wisconsin, 1914; Ph. D., Washington University, 1915. Assistant in Plant Pathology, University of Wisconsin, 1912-14; Instructor in Plant Pathology, Summer Session University of Wisconsin, 1914; Fellow New York Botanical Garden, August, 1913; Rufus J. Lackland Fellow, Shaw School of Botany, Washington University, 1914-15; Graduate Student University of Wisconsin Summer Session, 1915; University of Chicago, Summer Session, 1916. Ripon College, 1915.

*BLANCHE MIGNON GIBSON, A. M., Bartlett Hall.

Assistant in Education and History and Preceptress.

A. B., Ripon College, 1908. Hancock High School, 1910-12; Barron High School, 1912-13; Langlade County Training School, 1915; A. M., Ripon College, 1916.

JAMES CLARK GRAHAM, A.B., 621 Ransom Street.

Associate Professor of English Composition and Public Speaking.

A.B., Grinnell College, 1916. Columbia University Summer Session, 1917. Ripon College, 1916.

CLEO HEARON, PH. D., 121 Thorn Street.

Professor of History.

Ph. B., University of Chicago, 1903; Ph. M., 1909; Ph. D., 1913. Instructor in History, Mississippi Industrial Institute and College, 1905-8, 1909-11; Professor and Head of the Department of History, Ibid., 1913-14; Fellow in History, University of Chicago, 1911-13; Associate Professor of History, Westhampton College, 1914-15; Instructor in History, Wellesley College, 1915-16. Ripon College, 1916.

SAMUEL MARCELLUS PEDRICK, A. M., LL. B., 523 Watson Street.

Lecturer in Elementary Law.

B. S., Ripon College, 1891; LL. B., University of Wisconsin, 1894; A. M., Ripon College, 1895. Ripon College, 1916.

EDGAR ZOBEL, A. M., 603 Watson Street.

Director of the College Band.

A. B., Ripon College, 1907; A. M., University of Wisconsin, 1908. Ripon College, 1916.

AUGUSTUS LAWRENCE BARKER, M.S., 216 Elm Street.

Professor of Chemistry.

B.S., University of Alabama, 1910; M.S., University of Alabama, 1911. Fellow in Chemistry, University of Alabama, 1910-11; Instructor in Biology, University of Alabama, 1911-13; Teacher of Science, Monroe (La.) High School, 1913-14; Fellow in Chemistry, University of Chicago, 1914-1915; Assistant Professor of Chemistry, University of Mississippi, 1915-16; Instructor in Physiology, Emory University (Atlanta Medical College), 1916-17. Graduate Student, University of Chicago, Summers 1913 and 1914 and Session 1914-1915. Ripon College, 1917.

*Resigned February 4, 1917.

†ANNA GUNILLA SABY, A.M., 825 Watson Street.

Professor of Romance Languages.

A.B., University of Wisconsin, 1908; A.M., 1909; Teacher of Latin and German, River Falls State Normal School, 1903-07; Instructor in Spanish, Oregon Agricultural College, 1909-11; Graduate Student, University of Wisconsin, 1911-13; Assistant in German, University of Wisconsin, 1912-13; Adjunct-Professor of Romance Languages, Randolph-Macon Woman's College, 1913-16; Instructor in Spanish, University of Kansas, 1916-17; Ripon College, 1917.

HAROLD GOODWIN OLSEN, A.B., 551 Newbury Street.

Physical Director.

A.B., University of Wisconsin, 1917. Ripon College, 1917.

EMILY SCHONS, A.M., 616 Ransom Street.

Acting Professor of German.

A.B., University of Minnesota, 1908; A.M., University of Chicago, 1917; Teacher of German, Waterville High School, Minnesota, 1908-09; Spring Valley High School, Minnesota, 1909-11; Buffalo High School, Wyoming, 1912-15. Ripon College, 1917.

ANNA HEISE, A.B., 616 Ransom Street.

Associate Professor of Romance Languages.

A.B., University of Wisconsin, 1917; Graduate Work at the University of Wisconsin, First Semester, 1917-18; Ripon College, 1917.

JOSEPHINE KING, Bartlett Hall.

Preceptress of Bartlett Hall.

THE SCHOOL OF MUSIC

*SILAS EVANS, D.D., LL.D.,

President.

ELIZABETH BATTLE BINTLIFF, A.M., 650 Woodside Avenue.

Professor of Music and Director of the School of Music.

ESTELLA HALL READE, 121 Thorn Street.

Instructor in Vocal Music.

Pupil of William H. Stockbridge, Portland, Me.; Madame Perkins, Washington, D. C.; Dr. Edward S. Kimball, Washington, D. C.; Benjamin F. Wood, Boston; Mary Kimball, Washington, D. C.; and of Herman Kotschmar, Portland, Me. Head of Vocal and Public School Music Methods Departments, Conservatory of Music, Olivet College, 1897-1909. Ripon School of Music, 1909.

LOUISE STANTON THOMAS, 120 E. Thorn Street.

Instructor in Violin.

Student of Violin with Mrs. B. F. Anderson; of Violin and Theory with Theodore Meier, 1907-09; of Violin with W. L. Jaffe, Milwaukee, 1909-11; Graduate Wisconsin College of Music, Milwaukee, from Violin Course, 1911. Graduate Student of W. L. Jaffe 1911-12; Ripon School of Music, 1910-15; Ripon School of Music, 1917.

†Resigned January 3, 1918.

*Resigned August 1, 1917. Now President of Occidental College, Los Angeles, California.

HARRIET ELVIRA GIBBS, 117 Thorn Street.

Instructor in Piano.

Graduate Ripon School of Music, 1899; Graduate Student Ripon School of Music, 1910-12. Ripon School of Music, 1915.

ANTON KLEIN, 516 Hall Street.

Instructor in Violin.

Pupil of Rudolf Klein, Budapest, Hungary, for four years; Pupil of Karl Klein, Vienna Conservatory, Vienna, for four years; First Violinist, Budapest Orchestra; Teacher of Violin, Cleveland, Ohio, 1907-11; Chicago, Illinois, 1911-16. Ripon School of Music, 1916.

ESTHER ELLEN DARROW, 650 Woodside Avenue.

Instructor in Piano, Theory and History of Music, and Musical Appreciation.

A.B., University of Michigan, 1913; Graduate Student, University of Michigan, 1913-14; Graduate in Organ, University School of Music, Ann Arbor, Michigan, 1911; Graduate in Piano, University School of Music, Michigan, 1914; Graduate of the Institute of Musical Art, New York City, 1916. Ripon School of Music, 1917.

RETIRED

On the Carnegie Foundation

WILLIAM EVERETT JILLSON, A.M.

Librarian and Associate Professor of German.

Ripon College, 1912-13.

STUDENT ASSISTANTS

PEARLEY JOSEPH,

Biology.

HAROLD FLOYD HANSEN,

Chemistry.

LILLIAN EDWINA SCHWEFEL,

German.

MATHILDA MATHISEN,

Latin.

MILDRED KEELER, GLADYS DOROTHY AUSTIN AND ETHEL C.

LEHMAN,

Library.

GLADYS AUSTIN, EDITH SILVER AND GRIFFITH ERVIL ED-

WARDS,

Mathematics.

HARRY E. FARNSWORTH AND ETHEL C. LEHMAN,

Physics.

EMMA IRENE BJORNSTAD,

Physical Director of Women.

GLADYS LILLIAN GROESBECK,

Romance Languages.

Administrative Officers, 1917-18

*SILAS EVANS, D.D., LL.D.,
President.

WILLIAM HARLEY BARBER, A.M.,
Dean of the College and Acting President.

ELIZABETH BATTLE BINTLIFF, A.M.,
Director of the School of Music.

WILSON ROBB WOODMANSEE, A.M.,
Registrar.

JOSEPH CHARLES GILMAN, PH.D.,
Recording Secretary.

JOSEPHINE RUTH HARGRAVE, A.B.,
Librarian.

**BLANCHE MIGNON GIBSON, A.M.,
Preceptress.

JOSEPHINE KING,
Preceptress of Bartlett Hall.

MRS. E. L. PARMENTER,
Matron of the Mary C. Harwood Hall.

JOHN W. WRIGHT,
Treasurer.

MAYE LYLE,
Cashier.

MARGUERITE JOECKEL,
Stenographer.

HERMAN GATZKE,
Superintendent of Grounds and Buildings.

MRS. NELLIE B. MERWIN,
Manager of the College Commons.

*Resigned August 1, 1917. Now President of Occidental College, Los Angeles.

**Resigned February 4, 1918.

Committees of the Faculty, 1917-18

Chapel: PROFESSORS TAINTOR, MUTCH, FEHLANDT, AND BOODY.

Christian Associations: PROFESSORS TAINTOR, GOODRICH, MUTCH, FEHLANDT, AND BOODY.

Housing Committee: DEAN BARBER, PROFESSORS TAINTOR, BOODY, GILMAN, BARKER, AND GRAHAM.

Alumni and Commencement: PROFESSORS TAINTOR, GOODRICH, MUTCH, BINTLIFF, and MISS HARGRAVE.

Curriculum: DEAN BARBER, PROFESSORS WOODMANSEE, MUTCH, and TAINTOR.

Library: PROFESSORS MUTCH, TAINTOR, FEHLANDT, DEAN BARBER, and MISS HARGRAVE.

Joint Committee on Athletics: For the Faculty, DEAN BARBER and MR. OLSEN, Director of Athletics; for the Trustees, J. W. WRIGHT; for the Students, HAROLD B. HAUN and the Captain of each Team in its season.

Joint Committee on Commons: For the Faculty, DEAN BARBER; for the Trustees, S. M. PEDRICK; for the Students, BENJAMIN HUDTLOFF and EVERETT IVEY.

Joint Committee on Forensics: For the Faculty, PROFESSORS BOODY, FEHLANDT, and GRAHAM; for the Trustees, S. M. PEDRICK; for the Students, HUGH M. JONES and FREDERICK P. HELM.

Joint Committee on Publications: For the Faculty, PROFESSORS BOODY, HEARON, and MISS HARGRAVE; for the Trustees, JOHN W. WRIGHT; for the Students, GEORGE CONANT, RUFUS RUNZHEIMER, MAX FOX, and MARVIN SCHMIDT.

Joint Committee on Musical Organizations: For the Faculty, PROFESSORS BINTLIFF and GILMAN; for the Trustees, FREDERICK SPRATT; for the Students, BERNARD WILLIAMS.

Committee on Social Life: For the Faculty, PROFESSORS WOODMANSEE and GRAHAM; for the Trustees, J. L. STONE; for the Students, MARGARET HILL, FRANC HOLIDAY, ANNA JOHNSON, EDWARD ZERLER, ERVIL EDWARDS, LOLA SCHULTZ, DONALD PERRY, WILBUR SHORTT, IRWIN KROHN, DALIES OYSTER.

Degrees Conferred, June, 1917

BACHELOR OF ARTS

Erna Louise Bagemihl.....	Milwaukee
Attabelle Jane Boote.....	Ripon
Rufus Norman Boardman.....	New Richmond
Herman H. Brien.....	Hart, Michigan
Stafford Delos Byrum.....	Plymouth
James Fremont Corbett.....	Plymouth
Clay Knowlton Crouse.....	Bloomer
Frances Cujak.....	Berlin
Austin Lee Ely.....	Endeavor
John George Frayne.....	Grand Rapids
Emma Johannah Garber.....	Berlin
Florence Ruth Graham.....	Ripon
Alma Margaret Haug.....	Milwaukee
Florence Margaret Helmich.....	Sturgeon Bay
Mabel Edith Kramer.....	Fond du Lac
Alfred L. Kuebler.....	Oshkosh
Avis Linderman.....	Ironwood, Michigan
Claude Robert Mason.....	Ripon
Edna Lucretia Morse.....	Ripon
John A. Oakby.....	Algoma
Shirley Marion Rottmann.....	Ripon
Maude Millicent Russell.....	Ripon
William Charles Sainsbury.....	Ripon
Florence Magdalene Shaw.....	Berlin
Lee Shepherd.....	Crawfordsville, Indiana
Ruth V. Tasche.....	Sheboygan
Aimee Jeannette Vandervelde.....	Brandon
Eva Florence Weller.....	Ripon
William Theodore Wendt.....	Berlin
John Jay Williams.....	Berlin
Earl W. Wyman.....	Oshkosh
Harold Wilke.....	Madison

BACHELOR OF PHILOSOPHY

John F. Blair.....	New York City
William R. Jones.....	Randolph
David Maldwin Morgan.....	Cambria
Edith Pritchard.....	Winneconne

SCHOOL OF MUSIC

DIPLOMA FOR COMPLETION OF THE PIANO AND THEORY COURSE

Clara Elizabeth Anderson.....	Larsen
Marguerite Cease.....	Ripon
Catharine Hargrave.....	Ripon
Alice Marie Kingsbury.....	Ripon
Agnes Margaret Page.....	Ripon

DIPLOMA FOR THE COMPLETION OF THE VOICE AND THEORY COURSE

Clara Kaiser.....	Ripon
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CERTIFICATE PUBLIC SCHOOL MUSIC

Alice Marie Kingsbury.....	Ripon
Lucile Florentine Müller.....	Princeton
Agnes Margaret Page.....	Ripon
Stella Cain	Elkhart Lake

Prizes and Honors

AWARDS IN 1917

FRESHMAN COMPOSITION PRIZES FROM THE JAMES FUND

First.....	Hugh M. Jones
Second.....	Wilbur Shortt
Third.....	Irene Backey

JAMES PRIZES FOR EXCELLENCE IN DEBATE

Clarence Edward Soderberg	George Clarence Brown
William Iverson	John Jay Williams
Hugh M. Jones	Marvin Leland Schmidt

JAMES PRIZES FOR EXCELLENCE IN ORATORY

First.....	Marvin Leland Schmidt
Second.....	Frederick P. Helm
Third.....	Hugh M. Jones

FIRST PRIZE, WISCONSIN PROHIBITION CONTEST

William Charles Sainsbury

SECOND PRIZE, WISCONSIN PEACE ORATORICAL CONTEST

Frederick P. Helm

CLASS OF 1896 MEMORIAL PRIZES FOR DECLAMATION

First for Women.....	Alvira Thomas
First for Men.....	Max J. Fox

SILVER MEDAL IN THE STATE LATIN LEAGUE CONTEST

Mathilda Mathisen

FELLOWSHIP IN THE UNIVERSITY OF WISCONSIN

Florence Margaret Helmich

PRIZE SCHOLARSHIP AT THE UNIVERSITY OF CHICAGO

Rufus Norman Boardman

FRESHMAN DECLAMATORY CONTEST

First for Women.....	Maude McDonald
First for Men.....	Frank Hoveland

RIPON COLLEGE

Editor-in-Chief of the College Days for 1917-1918

GEORGE HERBERT CONANT

Editor-in-Chief of the Crimson for 1917-1918

RUFUS E. RUNZHEIMER

Business Manager of the College Days for 1917-1918

MAX J. FOX

Business Manager of the Crimson for 1917-1918

MARVIN LELAND SCHMIDT

DEPARTMENT FELLOWS:

Biology.....	Arshag Seuerian
Economics-Sociology.....	Victor Jesse Searle
Education.....	Theron Douglas Morson
English Composition.....	George Herbert Conant
English Literature.....	Anna Johnson
History.....	Frances Gage Wilson
Latin.....	Mathilda Mathisen
Mathematics.....	Edith Silver
Philosophy.....	Rufus E. Runzheimer
Physics.....	Harry E. Farnsworth
Public Speaking.....	Marvin Leland Schmidt
Romance Languages.....	Florence Du Vall

List of Students

Students Who Entered the Second Semester, 1916-17, and Whose Names Did Not Appear in the Catalog of that Year

Rufus Norman Boardman		New Richmond
Harry Bruegger	Smith Hall	Berlin
Juanita Davies		Berlin
*Robert Duncan	Elms	Green Bay
Samuel Dunlop		Wild Rose
Charles Felker	Hill Top	Oshkosh
Laura Fordice	525 Ransom St.	Ripon
Harold Frey		Berlin
*Elwyn Gay	Smith	Endeavor
Frank Hyer	Woodside	Stevens Point
Mrs. William Haseltine	Watson St.	Ripon
*Lester Ihrig	Elms	Oshkosh
Mrs. Frank Lueck	Woodside Ave.	Ripon
Nelson Lueck	Woodside Ave.	Ripon
Parker Mason	Newbury St.	Fond du Lac
Martin McDonald	West	Menomonie
Pearl Milke		Fairwater
Amanda Moldenhauer		Ripon
Edward Mutch	Smith	Hillsboro
Viola Nohr		Fairwater
Mildred Pedrick	Watson St.	Ripon
Arthur Schmidt	Route 13	Ripon
Clyde Smith	Woodside	Wausau
Alfred Sommerfeldt		Ripon
Selwyn Syverson	Woodside	Tomah
Alvira Thomas	Harwood	Wales
Lorraine Thomas		Berlin
Leonard Waehler	Metomen St.	Lomira
Lorenz Wallschlaeger		Ripon
Chester Weikel		Ripon
August Zenk	Route 13	Ripon
*Julius Zobel		Ripon

Corrected Summary of Attendance for College Year, 1916-17

	Men	Women	Total
Graduates.....	1	...	1
Seniors.....	20	17	37
Juniors.....	36	25	61
Sophomores.....	42	29	71
Freshmen.....	80	35	115
Total.....	179	106	285
Music.....	31	67	98
Total.....	210	173	383
Names counted twice.....	10	24	34
Corrected Total.....	200	149	349

*Entered War Service

Students for the Academic Year 1917-18

Graduate

Helen Goodrich

Ripon

SENIORS — Class of 1918

Emma Irene Bjornstad	Bartlett	La Crosse
Lydia Brickbauer	Bartlett	Elkhart Lake
Harry G. Brown		Green Lake
Byrl Bryan		Ripon
Ethel Lillian Bryan		Ripon
Maud Evelyn Carter		Ripon
Antoinette Cujak	Seward St.	Berlin
*John E. Davies	Hill Top	Oshkosh
Harry E. Farnsworth		Ripon
Max Jake Fox	Smith Hall	Plymouth
Gladys Lillian Groesbeck		Ripon
Harold Floyd Hansen	West	Merrill
Margaret Muriel Hill	Harwood	Rosendale
Franc M. Holiday	Bartlett	Oshkosh
Benjamin Hudtloff	West	Wausau
Anna Johnson	Bartlett	Phillips
Lesley Hazel Jones	833 Watson St.	Eldorado
Pearly D. Joseph	Hill Top	Viola
John Calvin Loos	West	Kiel
Linda Helen Manz	Bartlett	Eau Claire
Mathilda Mathisen	Bartlett	Oshkosh
Jason Earl Maunders		Stevens Point
Jean Evelyn May		Ripon
Florence Miller	Bartlett	Coal City, Ill.
Theron Douglas Morson	Smith	Ripon
Frederick A. Nothnagel	322 Metomen St.	Green Lake
Ellen O'Neil	Harwood	Fond du Lac
Benjamin Lawrence Page		Ripon
Lutie Parker	Bartlett	Tomahawk
Lillian E. Schwefel	Bartlett	Fox Lake
Victor Jesse Searle		Ripon
Arshag Seuerian	Dawes	Ripon
Edith Silver	649 Grove St.	Indianapolis, Ind.
Dorothy Delight Stewart		Ripon
Rev. G. C. Story	Rectory	Ripon
Alvira Susanne Thomas	Harwood	Wales
Edward A. Toll		Ripon
Bernard Williams	Hill Top	Oshkosh
Frances Gage Wilson		Ripon
Rev. George Wilson		Green Lake
Frances Zemlika	Harwood	Merrill
Edward Eastman Zerler	Hill Top	Plymouth

*Entered War Service

JUNIORS — Class of 1919

Emma Kate Armstrong	215 Elm St.	Clyde, Kans.
Gladys Dorothy Austin		Ripon
Lydia A. Breckenfeld	Harwood	Racine
Loraine Ruth Brenner	Bartlett	Fond du Lac
Dorothy Mildred Bryan		Ripon
Florian Joe Bannach	Elms	Stevens Point
Newton Boggs	Hill Top	Viola
Jessie Agnes Callahan	Bartlett	Ripon
William Christensen	West	Racine
George Herbert Conant		Ripon
Gertrude Genevieve Duel	Harwood	Fond du Lac
Florence Du Vall		Ripon
Griffith Ervil Edwards	Woodside	Cambria
Clarence Odie Egdahl	Hill Top	Schofield
*William G. Fischer	West	Unity
Max Giedlinski		Ripon
Frederick Helm	West	Racine
*Kenneth J. Hough	Hill Top	Winnebago
*T. N. Hughes	Smith	Rio
Marjorie Ann Jones	Bartlett	Cambria
Alice Marie Kingsbury		Ripon
Ethel C. Lehman		Ripon
Lorenz Lueck	Woodside	Tomah
Bernice Lyon	Bartlett	Marinette
Cora Lyon	Bartlett	Brandon
*Leo J. McCullough	Elms	Fond du Lac
Fred Miller	Woodside	Markesan
Emma Nothnagel	522 Metomen St.	Green Lake
Robert Hugh Owen	Smith	Minneapolis, Minn.
Leone Oyster		Ripon
Margaret Roeske	723 Woodside Ave.	Hancock
Rufus E. Runzheimer	West	Neenah
Marvin Schmidt		Ripon
Zella Louise Schultz		Ripon
Lola Dorothea Schultz		Ripon
Inga Amanda Severson	Bartlett	Paskin
Raymond C. Shaw	Hill Top	Kingston
Russell Stemen		Ripon
Roger A. Sutherland	Smith	Fond du Lac
Kathrene Knapp Taintor		Ripon
Kenneth P. Thrall	Hill Top	Green Lake
Lenora Treanore		Ripon
Edwin White Webster		Ripon
Clarence A. Wegel	Hill Top	Fond du Lac
W. H. Williams	Smith	Columbus

SOPHOMORES — Class of 1920

Lucile Anderson	523 Watson	Green Lake
Clarence Abendroth	Smith	Cambria
Max Alberts	Elms	Berlin
*Max Alling	Hill Top	Green Lake

*Entered War Service

Clarence Arndt	207 Thorn Street	Plymouth
Laura Irene Backey	Bartlett	Sheboygan
Helen Balzer	Bartlett	Sheboygan
Marion Bradley	Harwood	Omro
Harry Bruegger	Elms	Berlin
Earle Clement	Woodside	Holbrook, Mass.
Leo Y. Conney		Ripon
Flossie Cook	209 State St.	Hancock
Donald J. Dennee	Woodside	Stratford
Byron Derrwaldt	Smith	Plymouth
Henry H. Eaton, Jr.	Hill Top	Green Lake
Helen B. Fehlandt		Ripon
Elmer Edward Fenske	Smith	Endeavor
Guy M. Folsom	Woodside	Markesan
Margaret L. Gibbs	117 Thorn St.	Shawano
Margaret S. Griffiths		Ripon
Grace Harris	Bartlett	Lena, Ill.
*Elvin Hartlett	Hill Top	Wausau
Harold Boynton Haun	Smith	Madison
Marjorie Heffernon	Bartlett	Berlin
Harold Heller	Smith	Appleton
George F. Herbst	Elms	Sparta
*Frank Hovland	Hill Top	Bloomer
Edith Hurley	523 Woodside	Fox Lake
Everett D. Ivey	Smith	Milltown
Margaret James	Harwood	Wales
Hugh M. Jones	West	Penegroes, Wales
Henry Koehler		Ripon
Alfred J. Kornder	Smith	Cedarburg
La Verna Krause		Ripon
Irwin Krohn	Smith	Black River Falls
Cornelia Lamb	843 Metomen St.	Warrens
Guy Leaper	Elms	Green Bay
Archibald Luedke	Hill Top	Plymouth
Laura Lund	Bartlett	Bloomer
Percy Lunde	Hill Top	Racine
Beatrice McCumber	Harwood	Rosendale
Maude McDonald	Bartlett	Bloomer
Hannah Marsh	Bartlett	Waupun
Margaret Maxwell	708 Watson	Princeton
Dillwyn Melick	Smith	Chicago
Harry Mix	131 Fond du Lac	Berlin
Paul Monroe	Smith	Fond du Lac
Neil Morgan	Smith	Oakfield
Edward Morse	West	Oakfield
Olivia Morse	Bartlett	Oakfield
Willard Murray		Ripon
Edward Mutch	Smith	Hillsboro
Donald Perry	Elms	Black River Falls
Melba Pettegrew	Bartlett	Fox Lake
*Robert Pynch		Ripon
Carl Reichmuth		Ripon
Moses Roberts	609 Newberry St.	Wild Rose
Ben Rossin		Ripon
Dorothy Rummele	Bartlett	Sheboygan

*Entered War Service

Meta Schmudlach	615 S. Grove	Hancock
Viola Shave		Ripon
Wilbur Shortt	West	Oakfield
*Homer Dee Smith	Smith	Endeavor
Joseph Stadler	Smith	Chicago
Percy Sundt	Woodside	Stoughton
Howard Temme	Woodside	Berlin
Clayton Tinkham	Ransom St.	Fairwater
Glen Tinkham	Ransom St.	Fairwater
Leonard Waehler	Smith	Lomira
Robert Williams	Hill Top	Oshkosh
Arthur Wundrow	West	Appleton

FRESHMEN — Class of 1921

Herbert F. Bagemihl	Smith	Milwaukee
Mary E. Baird	604 Grove St.	Green Lake
Charles O. Below	Smith	Stanley
Cornelius C. Below	Smith	Stanley
Earl W. Billig	West	Mazomanie
Lorene L. Bogie	Bartlett	Oakfield
Ned L. Boorman	Smith	Tomahawk
Edwin S. Borm	Elms	Downsville
Esther Braatz	Bartlett	Brandon
Frank J. Bucholtz, Jr.	Woodside	Clintonville
Frances Louise Christison		Ripon
Edwin De Witt Coleman	Smith	Barron
John A. Collins	Smith	Westfield
Rodger Cook Crabtree	Elms	Milwaukee
Margaret C. Dailey	Bartlett	Biramwood
Roy Sylvester Danks	Smith	Fond du Lac
Mary Juanita Davies		Wild Rose
Dorrian D. Densmoor	Smith	Markesan
W. Erwin Dick	West	Fond du Lac
Harold Dopp	Smith	Wild Rose
Helen Bell Eversz		Ripon
Bessie Marian Farnsworth		Ripon
Romayne Gertrude Fewell		Ripon
Arthur H. Filbey	West	Fond du Lac
Harold Charles Fisher	Smith	Oakfield
Dorothy Elizabeth Fortnum	Bartlett	Berlin
Henry A. Fritz	Smith	Sheboygan Falls
*Maurice Eugene Gay	Smith	Pickett
Anne Elizabeth Gordon	Bartlett	Barron
Manilla Graham		Ripon
Ann Elizabeth Griffiths	Harwood	Columbus
Eileen Joan Haensgen		Ripon
Holton J. Halverson	Woodside	Stoughton
Edwin George Hammen		Ripon
H. Thomas Hartwell	West	Mazomanie
Lester Harvey	Smith	Baraboo
Marie Hecker	Bartlett	Antigo
Oscar C. Herbst	West	Schleisingerville
Clifford Kile Hooey	Smith	Rice Lake

*Entered War Service

Floyd Monselle Humphrey	623 Woodside Ave.	Hancock
James Sanderson Hunter		Ripon
Robert Icks	Elms	Green Bay
Walter J. Ingram	116 Thorn	Rice Lake
Lucille Ising	Bartlett	Berlin
Ervin Johnson	Smith	Rice Lake
Robert R. Jones	552 Newberry	Wild Rose
James Albert Jones	Smith	Rosendale
Wesley Winter Jung	Smith	Sheboygan
Mildred Blanche Keeler		Ripon
Walter Krebs	Woodside	Rush Lake
Harry Kroll		Ripon
Raymond P. G. Krueger	Smith	Menomonie
Harold Morse Kuckuk	West	Wausau
Dorothy Lloyd	Bartlett	Ridley Park, Pa.
Mildred Morse McConnell	Bartlett	Ridley Park, Pa.
William Grant MacGregor	Woodside	Westfield
Gladys Melvin	Bartlett	Glenbeulah
Arthur Mishlove		Ripon
Hazel Mix	131 Fond du Lac	Berlin
Birney Kellogg Morse	West	Fond du Lac
Gustav Adolph Naslund	Smith	Tower, Minn.
Ames William Naslund	Smith	Tower, Minn.
Stanley E. Ochsner	Smith	Prairie du Sac
Erling Olauson	Woodside	Stoughton
Dalies J. Oyster		Ripon
Robert A. Parker	Elms	Tomahawk
Luke A. Pilon	Smith	Fond du Lac
Eunice Pynch		Ripon
Clarence E. Rinehard	West	Shawano
Thomas Earl Roberts	Woodside	Randolph
Bonita Esther Roberts	Bartlett	Omaha, Neb.
Hugh P. Roberts	West	N. Wales
Paul Rodewald	Smith	Timothy
Ruth Elizabeth Rummele	Bartlett	Sheboygan
Carl Henry Rusterholz	Smith	Manitowoc
Raymond B. Sawyer	Smith	Mukwonago
Prudence Ann Schaefer		Ripon
Gregor Elmer Schoofs	West	Fond du Lac
Leander F. Sheldon	Smith	Tomahawk
Raymond Skouge	Smith	Menomonie
Lillian Marie Soderberg	Bartlett	Barron
Esther Louise Stellmaker		Ripon
Robert Sterner	Hill Top	Milwaukee
Selwyn Syverson	Woodside	Tomah
Margery Moore Tibbals	Bartlett	Elgin, Ill.
Fred C. Toll		Ripon
Margaret Upham	Lincoln St.	West Salem
Dorothy Van Kirk		Ripon
Arnold R. Vogtsberger	Smith	Menomonie
Oscar Arnold Weinke		Ripon
Carl Wendt	Hill Top	Berlin
Jennie Wensink	Bartlett	Plymouth
Grace Mae Wilke		Ripon
Arthur Eugene Wilke		Ripon
*A. Bradford Williams	435 Watson	Detroit, Mich.

*Entered War Service.

Ethyl Ellen Williams	Harwood	Green Bay
Margaret Jeanetta Williams		Ripon
Arthur H. Worthing	Smith	Oakfield
E. Scott Youmans	West	Fond du Lac
Albert A. Zuengler	Smith	Adell

MUSIC STUDENTS

Mary Baird	S. Grove St.	Green Lake
Emma Bjornstad	Bartlett	La Crosse
Marion Bradley	Harwood	Omro
Byrl Bryan	State St.	Ripon
John Harold Bumby	Newberry St.	Ripon
Maud Evelyn Carter		Ripon
William B. Christensen	West	Racine
Roy Danks	Smith	Fond du Lac
Mary Juanita Davies	Woodside Ave.	Wild Rose
Mrs. Catharine Diedrich		Ripon
Gena Dumdie	Metomen St.	Princeton
Zenda Eaton		Green Lake
Lillian Ellerman		Abbottsford
Lizette Erdman		Waupun
Lorraine Foat	Watson	Ripon
Irmgarde Foster	Spaulding Ave.	Ripon
Harold Frey		Berlin
Edwin George Hammen	Eureka St.	Ripon
Mrs. William Haseltine	Watson St.	Ripon
Harold Heller	Smith	Appleton
Elnora Hill	Tygart St.	Ripon
Margaret Hill	Harwood	Rosendale
Olive Hill	Tygart St.	Ripon
Dorothy Hoffman	Route 17	Ripon
Anna Horner	Jackson St.	Ripon
Emily Horner	Jackson St.	Ripon
Frances Horner	Jackson St.	Ripon
Velma Howe	Newberry St.	Ripon
Olwyn Elizabeth Hughes	Bartlett	Wild Rose
Anna Huibregsti		Ripon
Evalyn Hunter	Seward St.	Ripon
Everett Ivey	Smith	Milltown
Lucile Jones		Waupun
Clara Lydia Kaiser	Metomen St.	Ripon
Anna Klein	Thorn St.	Ripon
Fayette Kohl		Ripon
Raymond Krueger	Smith	Menomonie
Harold Kuckuk	West	Wausau
Charles Julius Lewin		Berlin
Isabel Luck	Metomen St.	Ripon
Laura Ernestine Lueck	Liberty St.	Ripon
Nelson William Lueck	Woodside Ave.	Ripon
Kathryn Lyle	Jackson St.	Ripon
Audrey Mahon	Hall St.	Ripon
Jason Maunders	West	Stevens Point
Pearl Milke		Fairwater
Rosa Mishlove	W. Fond du Lac St.	Ripon

Amanda Moldenhauer		Ripon
Edward Mutch	Smith	Hillsboro
Frederick A. Nothnagel	Smith	Green Lake
Agnes Page	Howard Street	Ripon
Benjamin Page	Howard St.	Ripon
Marcella Pedrick	Watson St.	Ripon
Eunice Wellcome Pynch	Watson St.	Ripon
Catherine Reed	Watson St.	Ripon
Ella Alvina Riemer		Fairwater
Bonita Roberts	Bartlett	Omaha, Neb.
Ben Rossin		Ripon
Raymond Sawyer	Smith	Mukwonago
Arshag Seuerian	Dawes	Ripon
Arthur Schmidt	Route 13	Ripon
Ella Schmule		Fairwater
Edward Schneider	Hall St.	Ripon
Zella Schultz	Scott St.	Ripon
Viola Shave	Liberty St.	Ripon
Edward Steinbring	Liberty St.	Ripon
Esther Louise Stellmacker	Grove St.	Ripon
Roger Sutherland	Smith	Fond du Lac
Herbert Thada		
Mildred Thiel	Watson St.	Ripon
Glen Tinkham		Fairwater
Jennie Wensink	Bartlett	Plymouth
Florence Lillian Whiting	Harwood	Berlin
Mabel Wilber		Waupun
Bradford Williams	Thorn St.	Detroit, Mich.
Blanche Lena Wood	Bartlett	Almond
Frieda Zalman	Warren St.	Ripon
Edna Zindars	Berlin Road	Ripon
Clara Helen Zinzow		Ripon
Albert Zuengler	Smith	Adell

SUMMARY OF ATTENDANCE

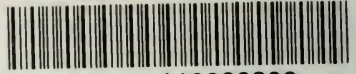
	Men	Women	Total
Graduate		1	1
Seniors.....	20	22	42
Juniors.....	23	21	44
Sophomores.....	47	24	71
Freshmen.....	66	34	100
	<hr/>	<hr/>	<hr/>
Total.....	156	102	258
Music.....	28	52	80
	<hr/>	<hr/>	<hr/>
	184	154	338
Names Counted Twice.....	18	14	32
	<hr/>	<hr/>	<hr/>
Corrected Total.....	166	140	306

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